

Program Complot  
(Version 2021-1)

by

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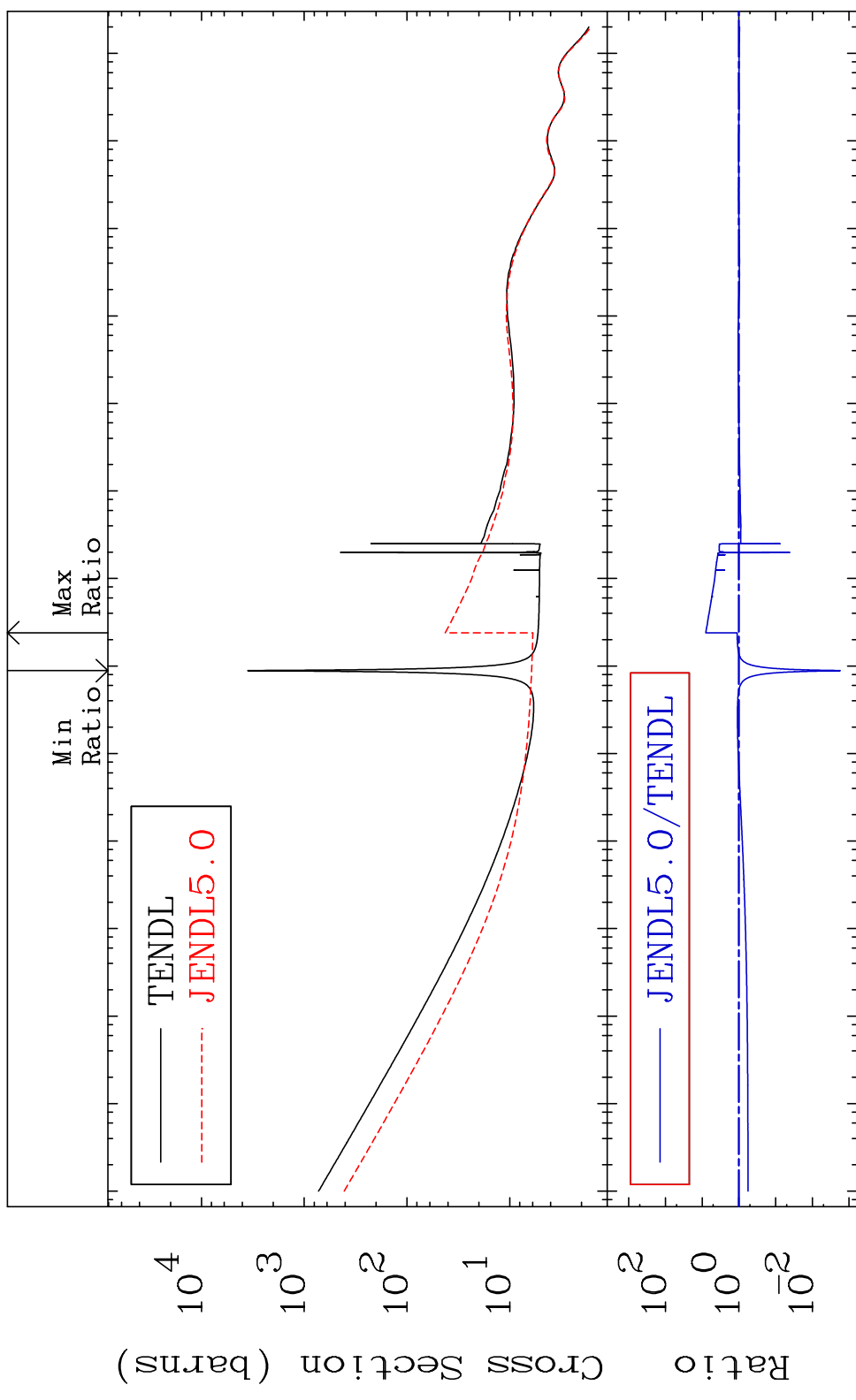
Press Mouse Button to Start

MAT 4246

Total

42-Mo-99

Cross Section -99.83 To 698.3 %



Min Ratio

Max Ratio

TENDL  
JENDL5.0

JENDL5.0/TENDL

10<sup>-5</sup> 10<sup>-4</sup> 10<sup>-3</sup> 10<sup>-2</sup> 10<sup>-1</sup> 10<sup>0</sup> 10<sup>1</sup> 10<sup>2</sup> 10<sup>3</sup> 10<sup>4</sup> 10<sup>5</sup> 10<sup>6</sup> 10<sup>7</sup> 10<sup>8</sup>

1

Incident Energy (eV)

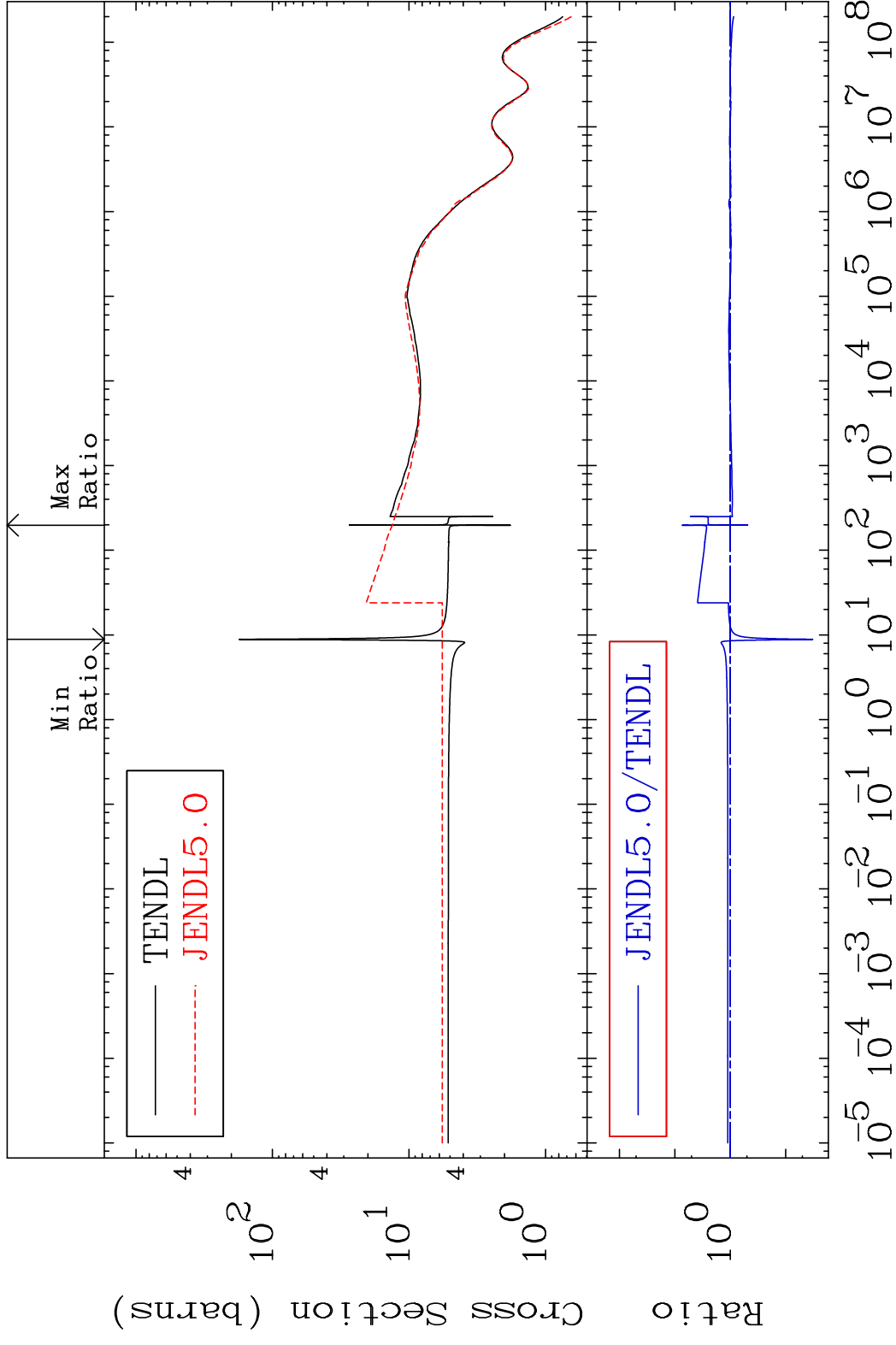
42-Mo-99

MAT 4246

Elastic

42-Mo-99

Cross Section -96.74 To 632.0 %

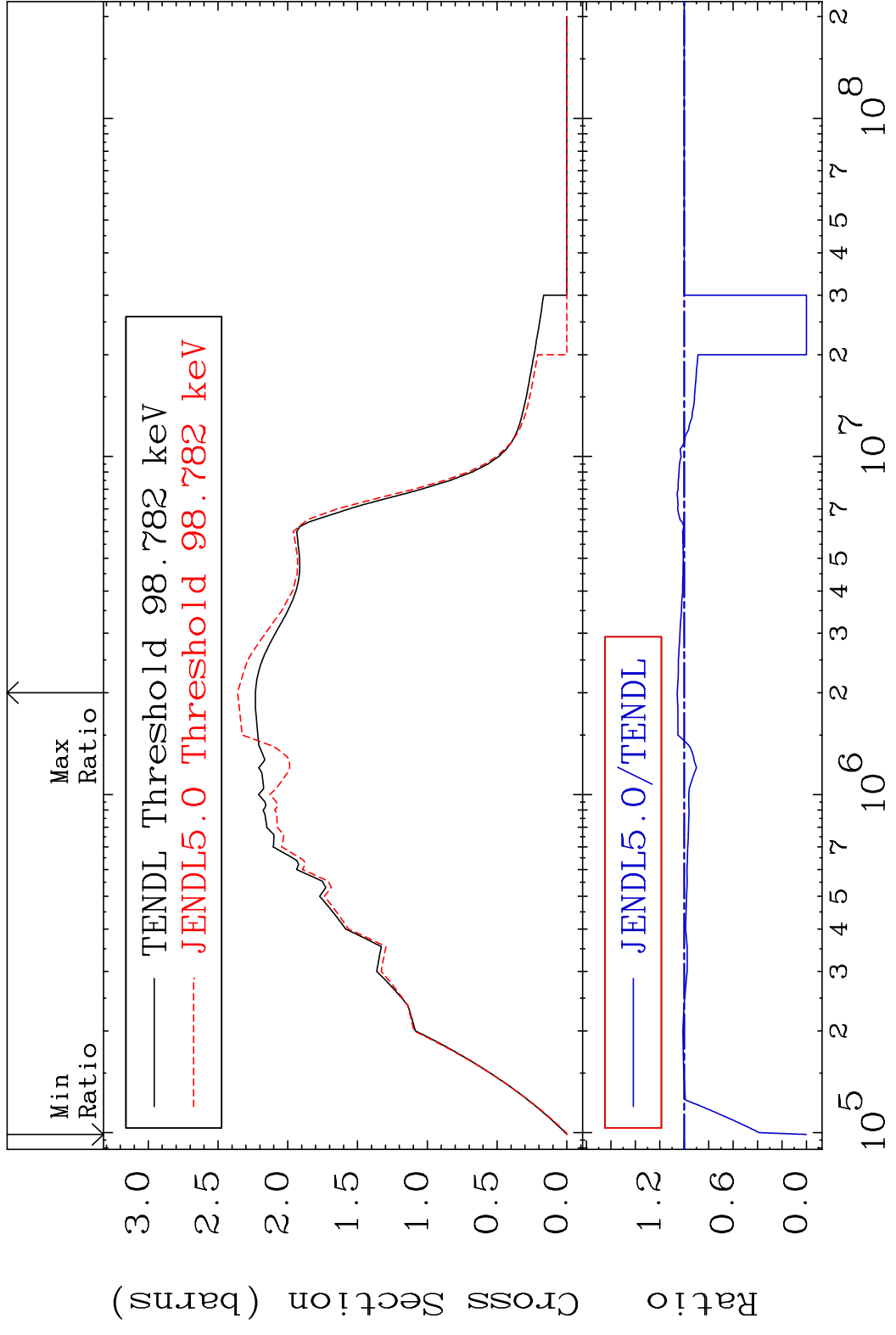


2

Incident Energy (eV)

42-Mo-99

MAT 4246 Inelastic Cross Section -100.0 To 5.718 % 42-Mo-99



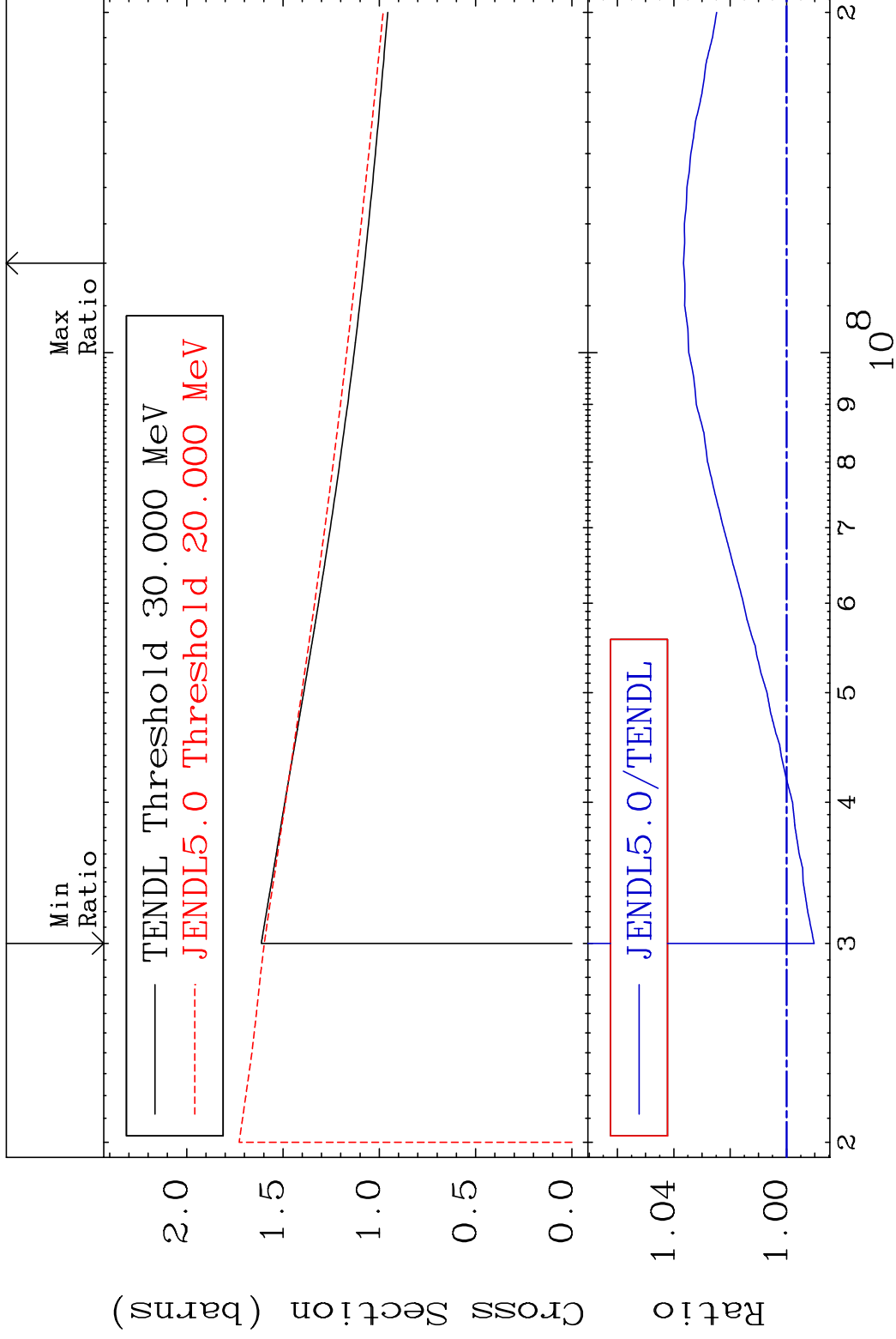
3 Incident Energy (eV) 42-Mo-99

MAT 4246

(n, remainder)

42-Mo-99

Cross Section -0.972 To 3.658 %



4

Incident Energy (eV)

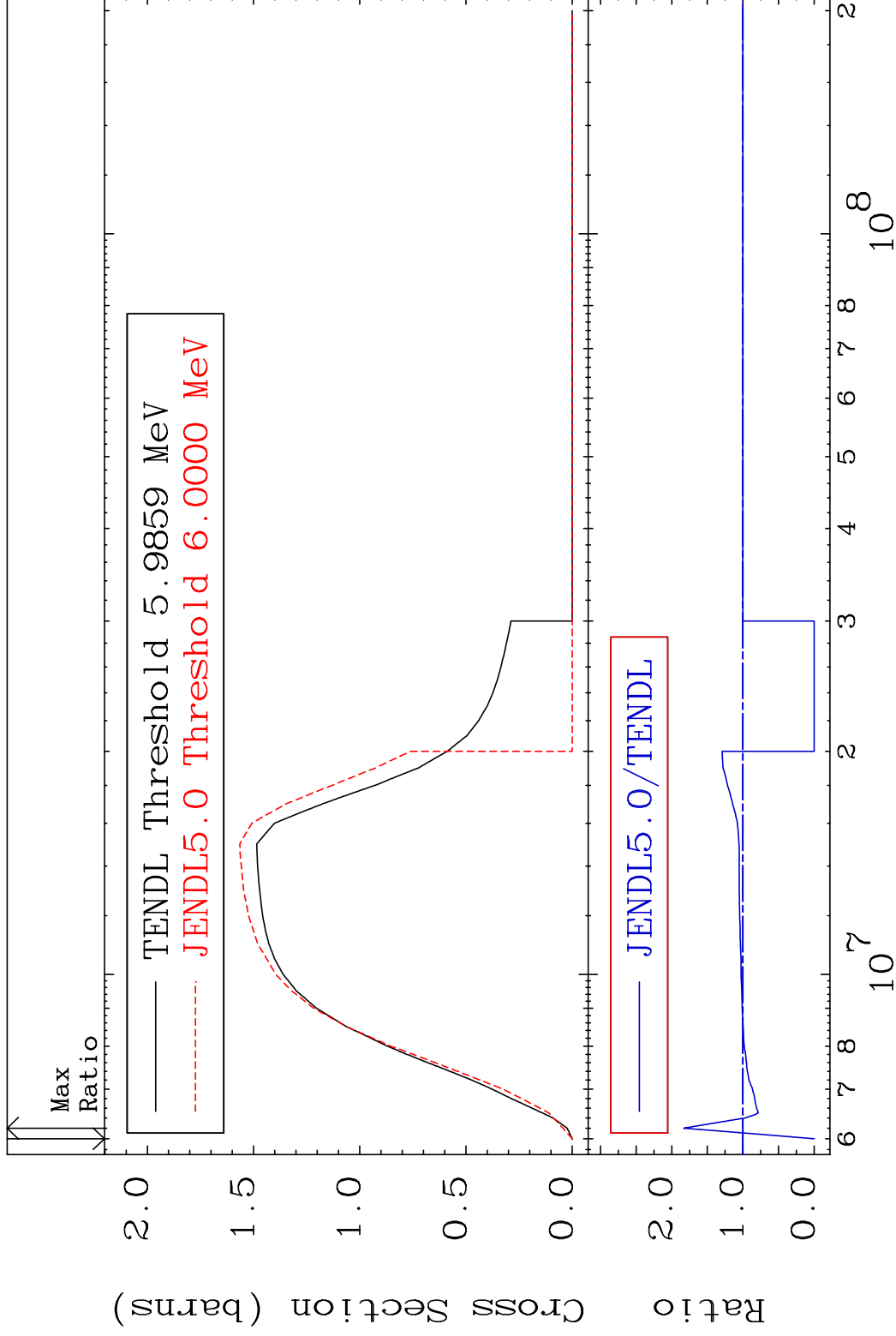
42-Mo-99

MAT 4246

(n,2n)

42-Mo-99

Cross Section -100.0 To 83.27 %



5

Incident Energy (eV)

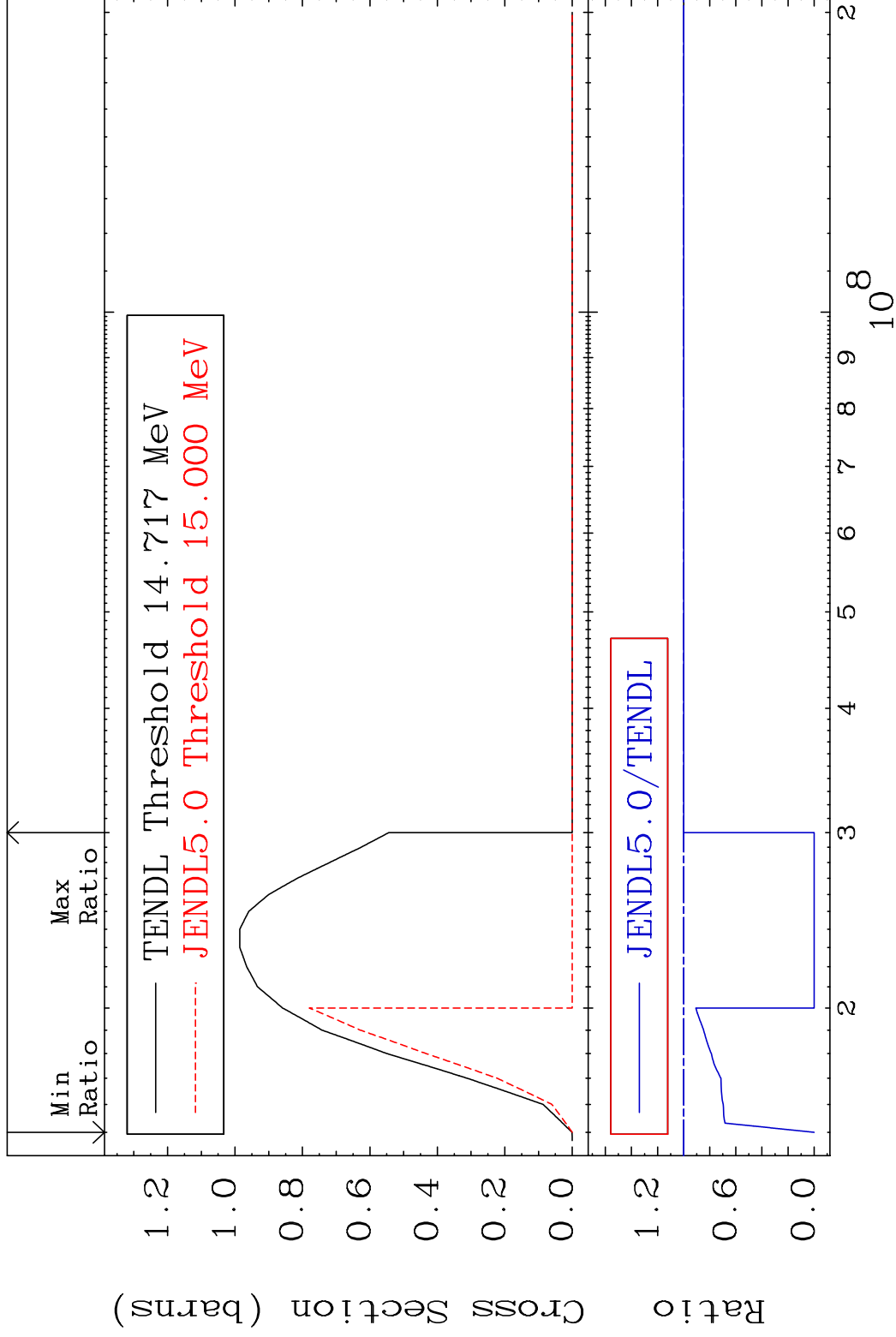
42-Mo-99

MAT 4246

(n,3n)

42-Mo-99

Cross Section -100.0 To 0.000 %

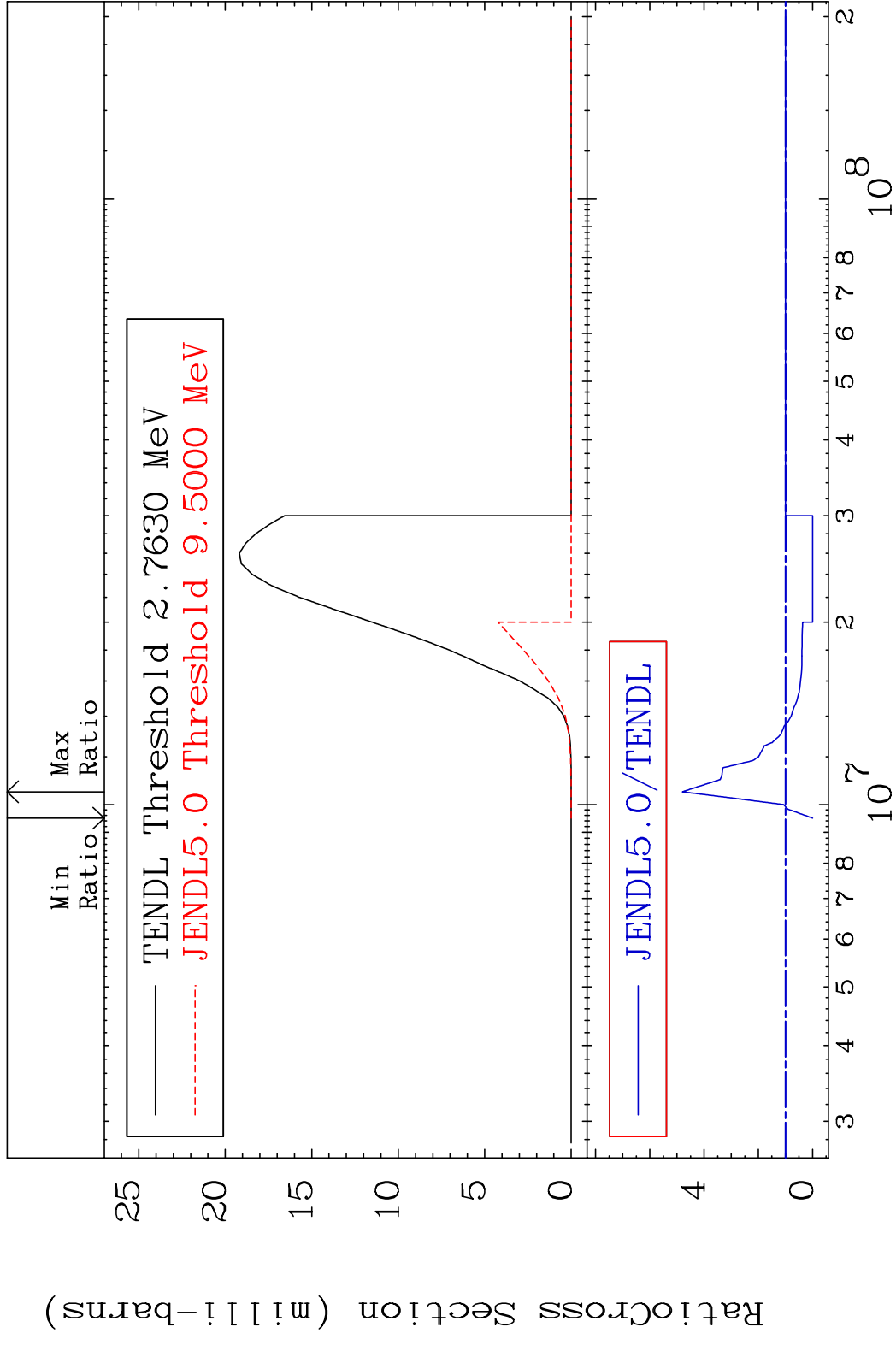


6

Incident Energy (eV)

42-Mo-99

MAT 4246 (n, n')  $\alpha$  42-Mo-99  
 Cross Section -100.0 To 380.1 %



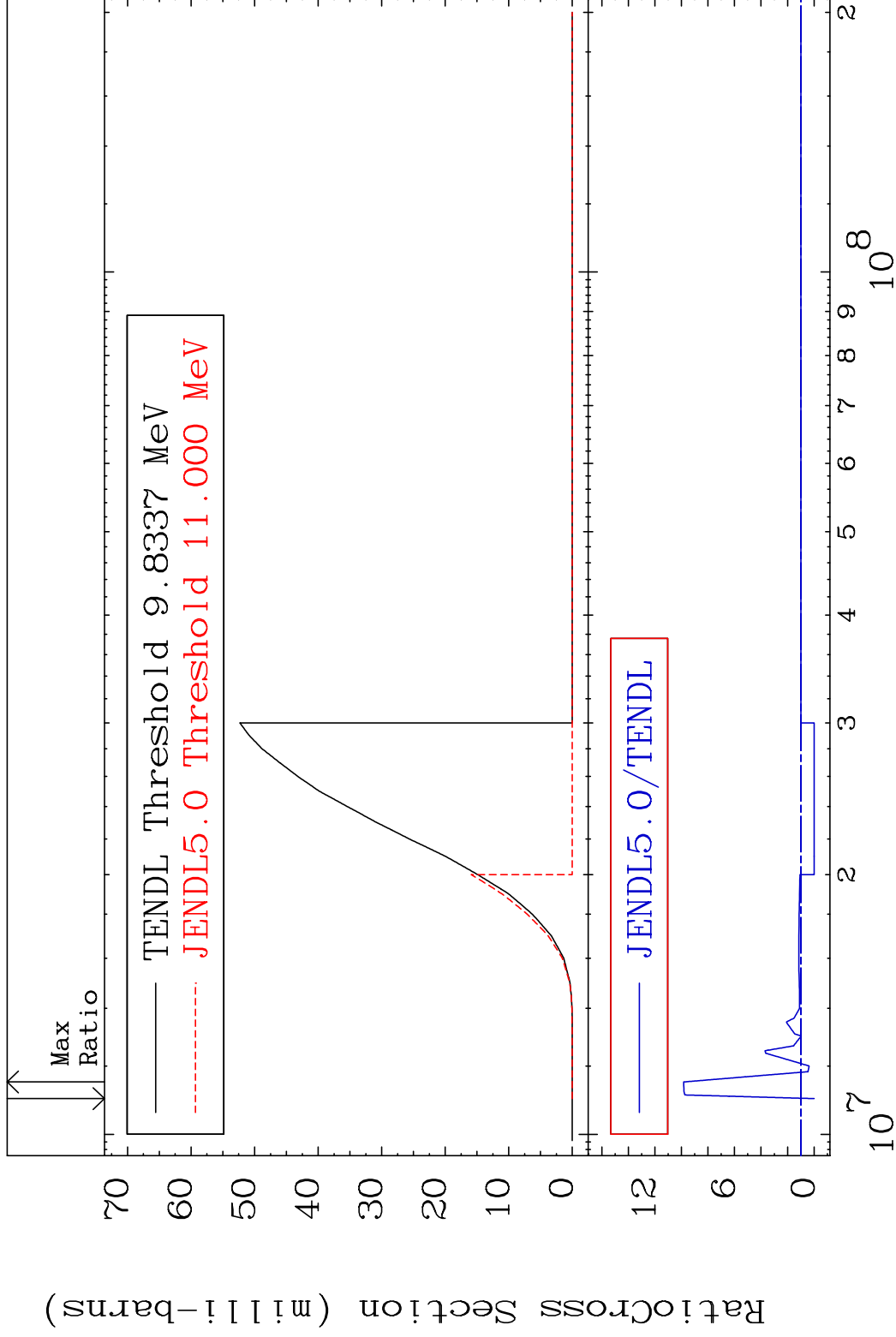


MAT 4246

(n, n') p

42-Mo-99

Cross Section -100.0 To 883.1 %



8

Incident Energy (eV)

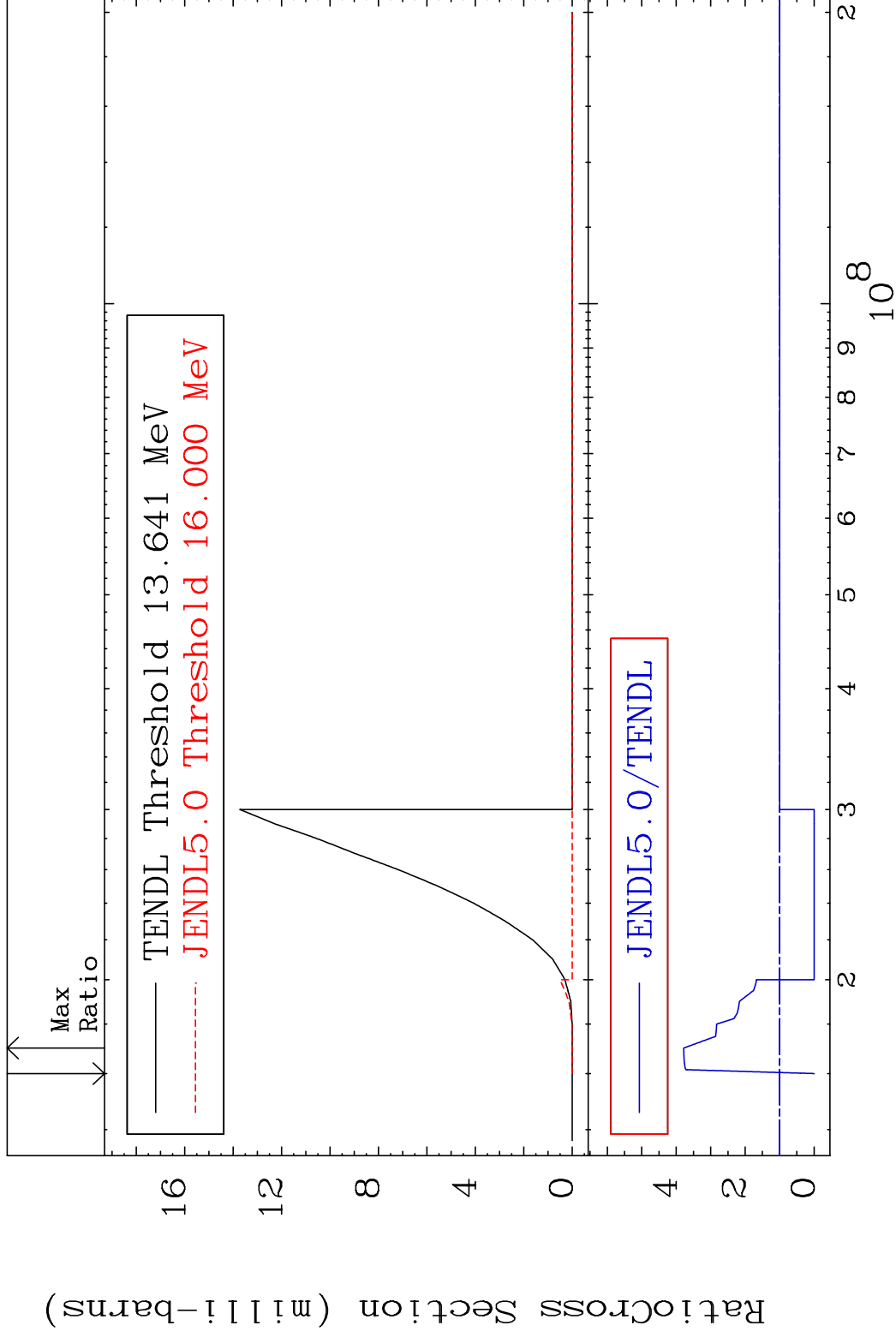
42-Mo-99

MAT 4246

(n, n') d

42-Mo-99

Cross Section -100.0 To 278.4 %

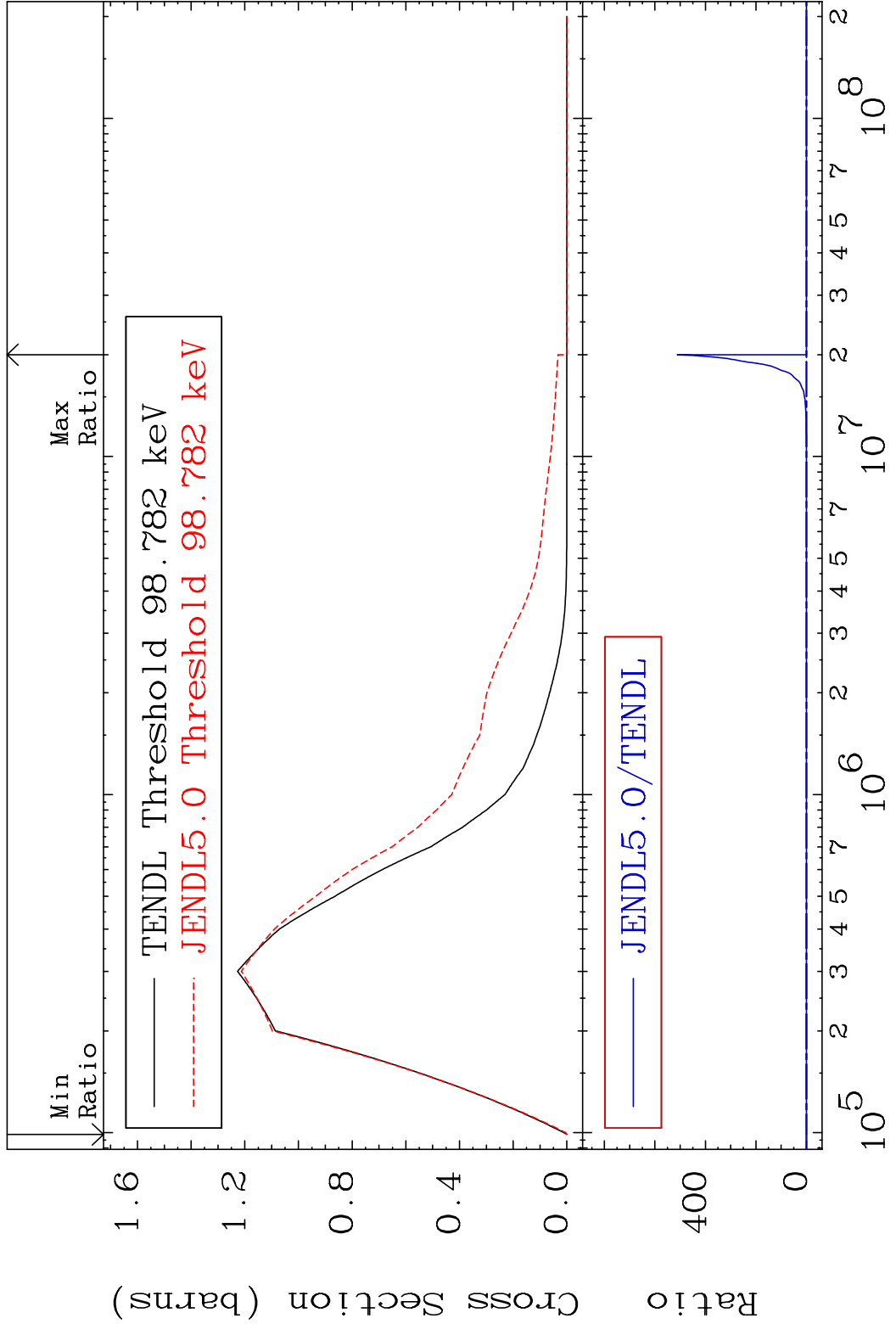


9

Incident Energy (eV)

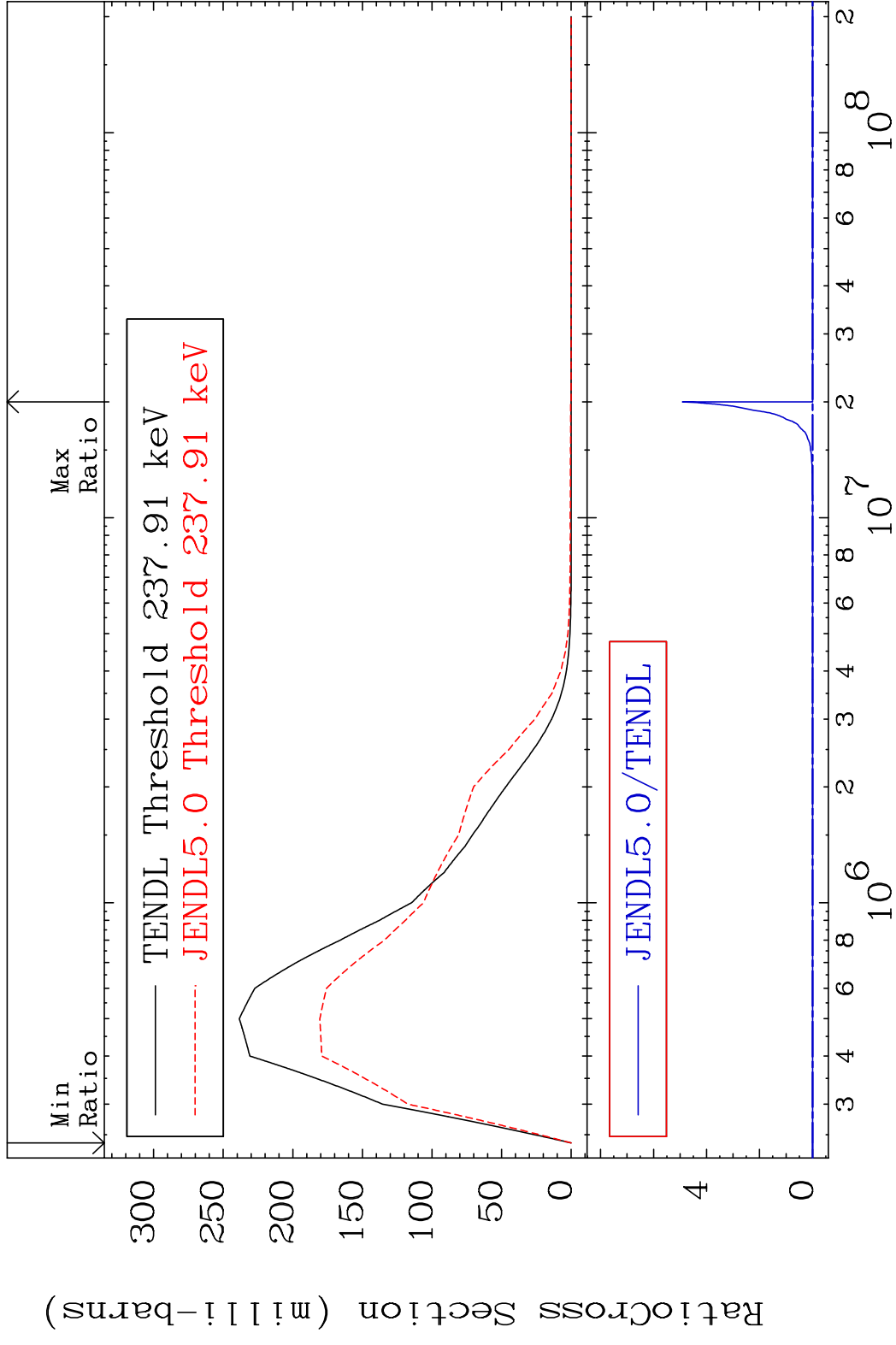
42-Mo-99

MAT 4246 MT= 51 (n, n') Level 42-Mo-99  
 Cross Section -100.0 To 9999. %

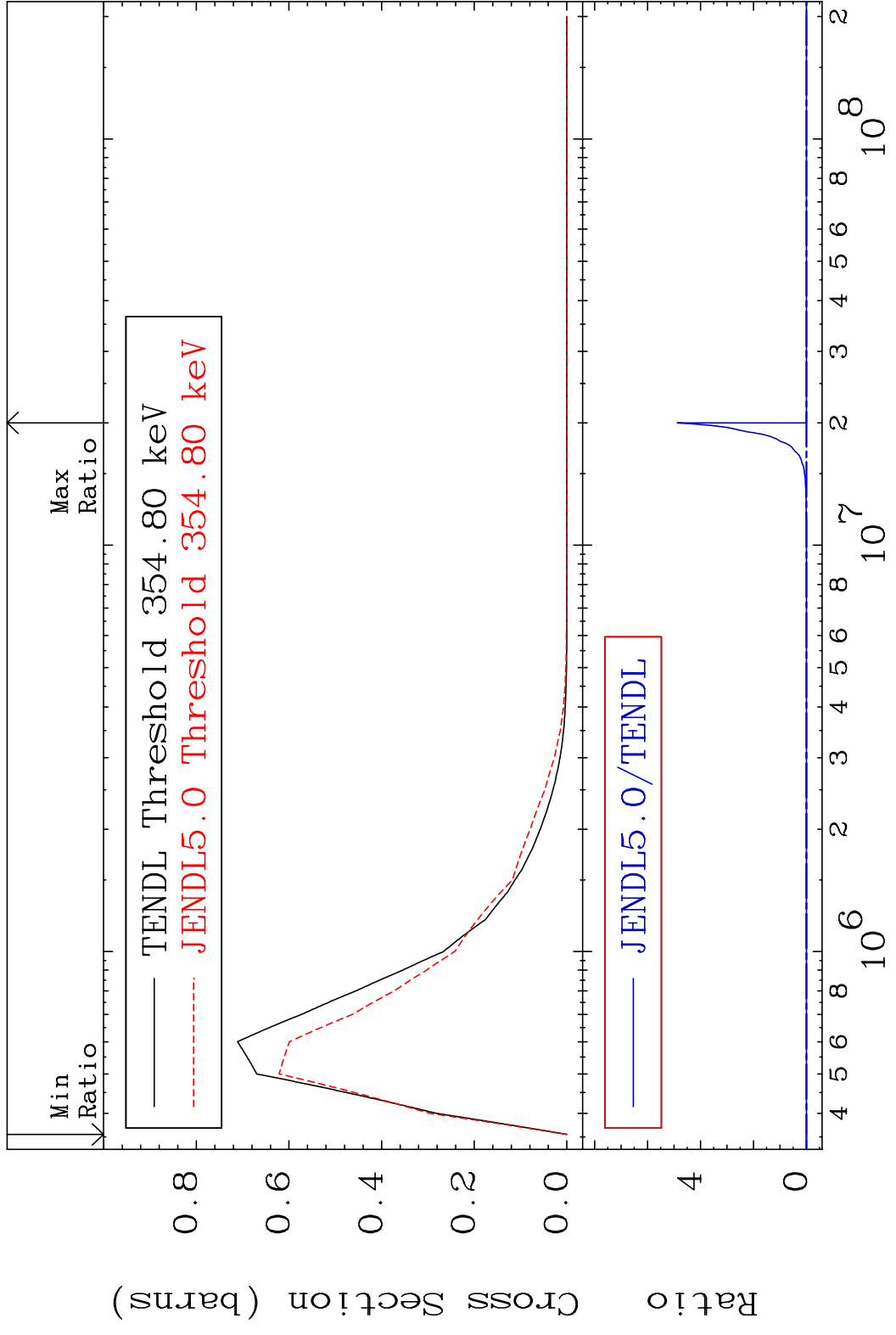


10 Incident Energy (eV) 42-Mo-99

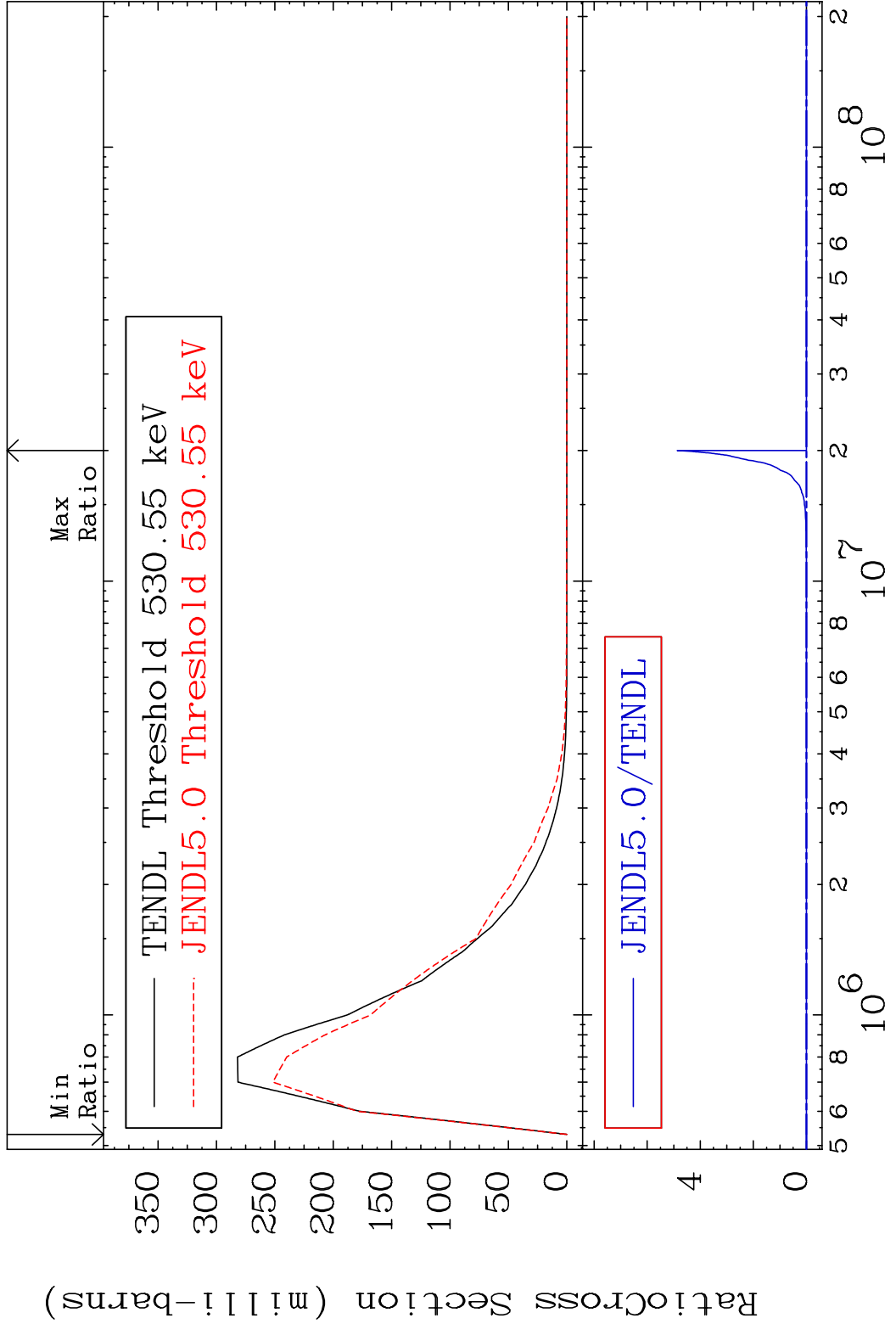
MAT 4246 MT= 52 (n, n') Level 42-Mo-99  
 Cross Section -100.0 To 9999. %



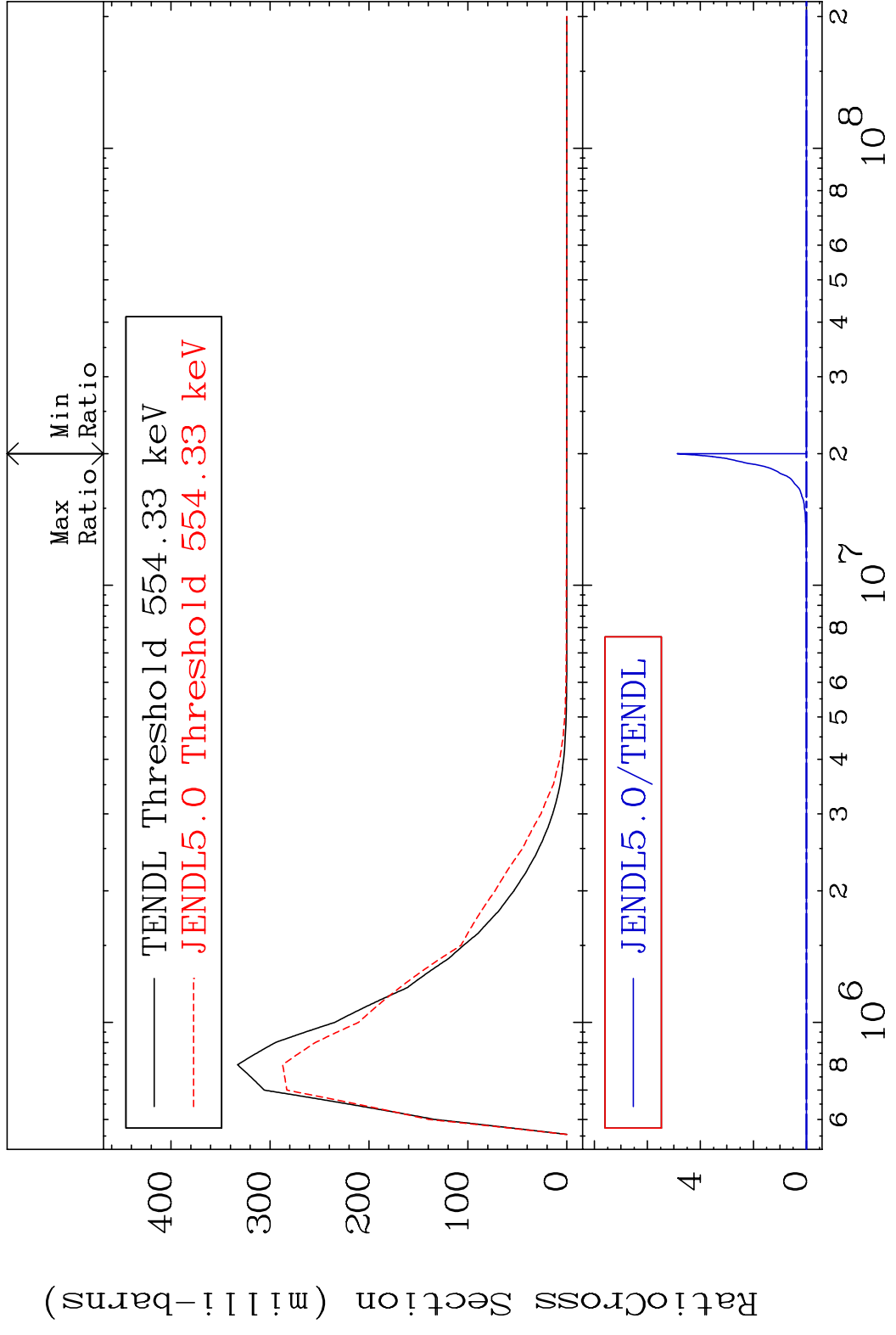
MAT 4246 MT= 53 (n, n') Level 42-Mo-99  
 Cross Section -100.0 To 9999. %



MAT 4246 MT= 54 (n, n') Level 42-Mo-99  
 Cross Section -100.0 To 9999. %

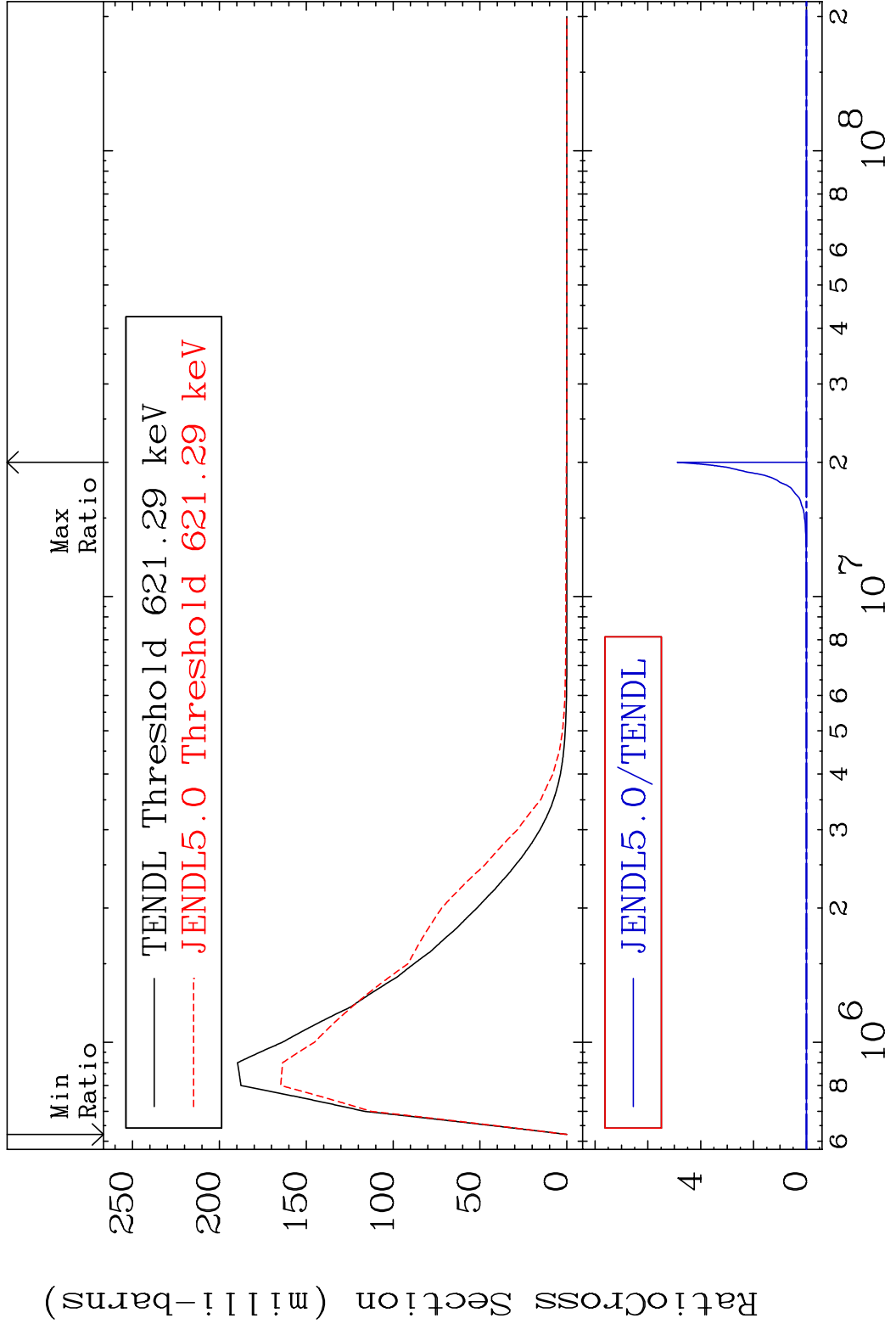


MAT 4246 MT= 55 (n, n') Level 42-Mo-99  
 Cross Section -100.0 To 9999. %



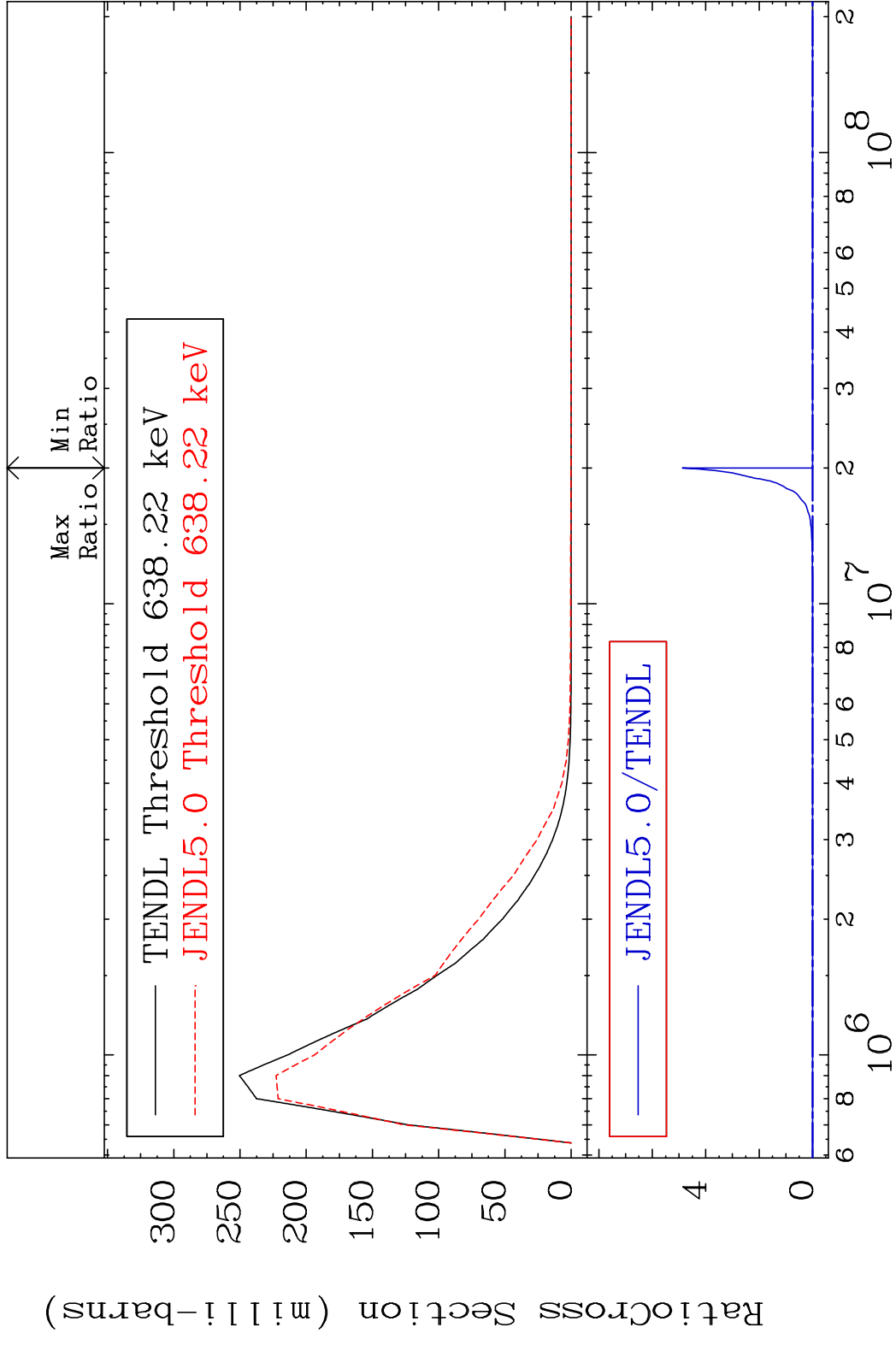
14 42-Mo-99

MAT 4246 MT= 56 (n, n') Level 42-Mo-99  
 Cross Section -100.0 To 9999. %



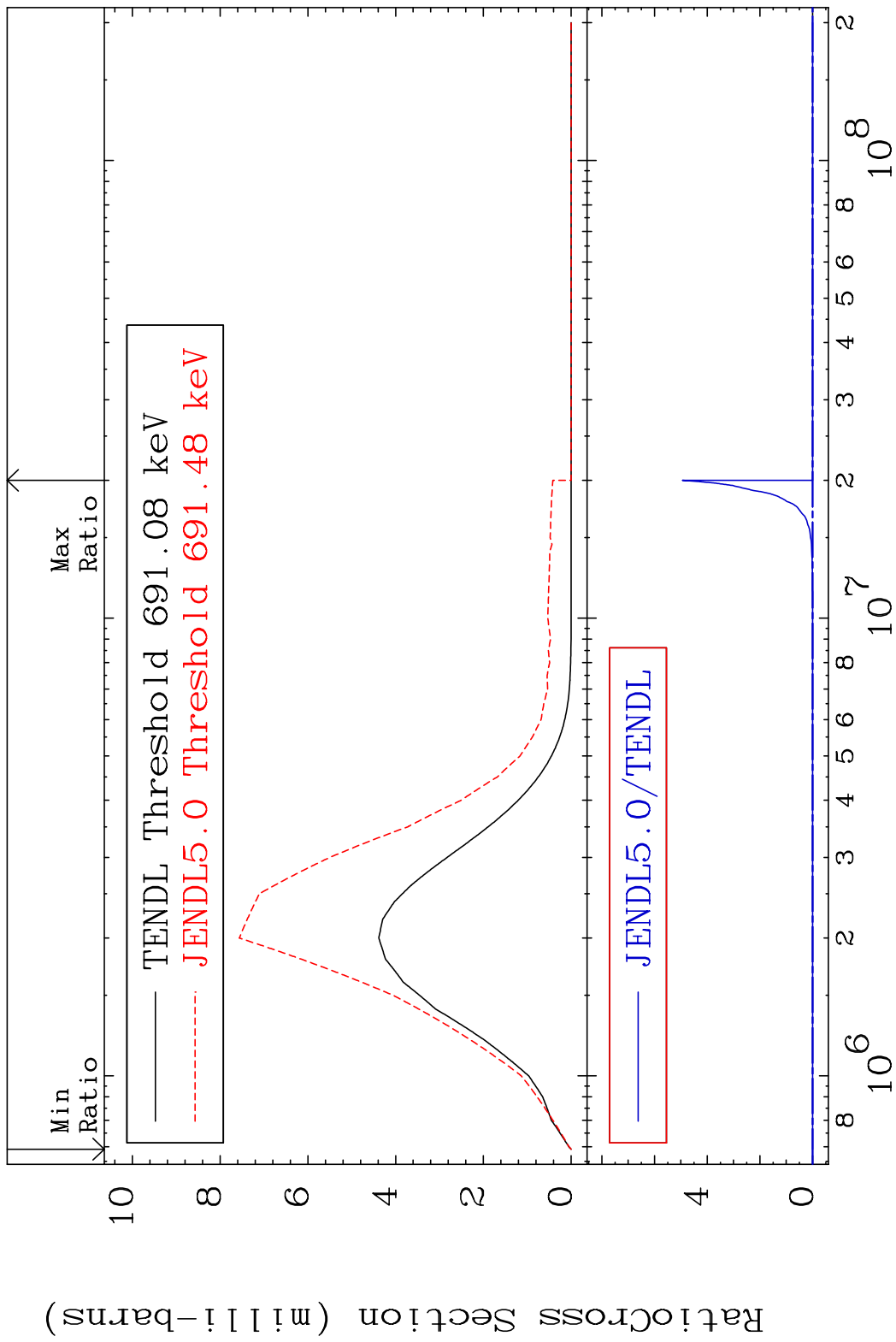


MAT 4246 MT= 57 (n, n') Level 42-Mo-99  
 Cross Section -100.0 To 9999. %

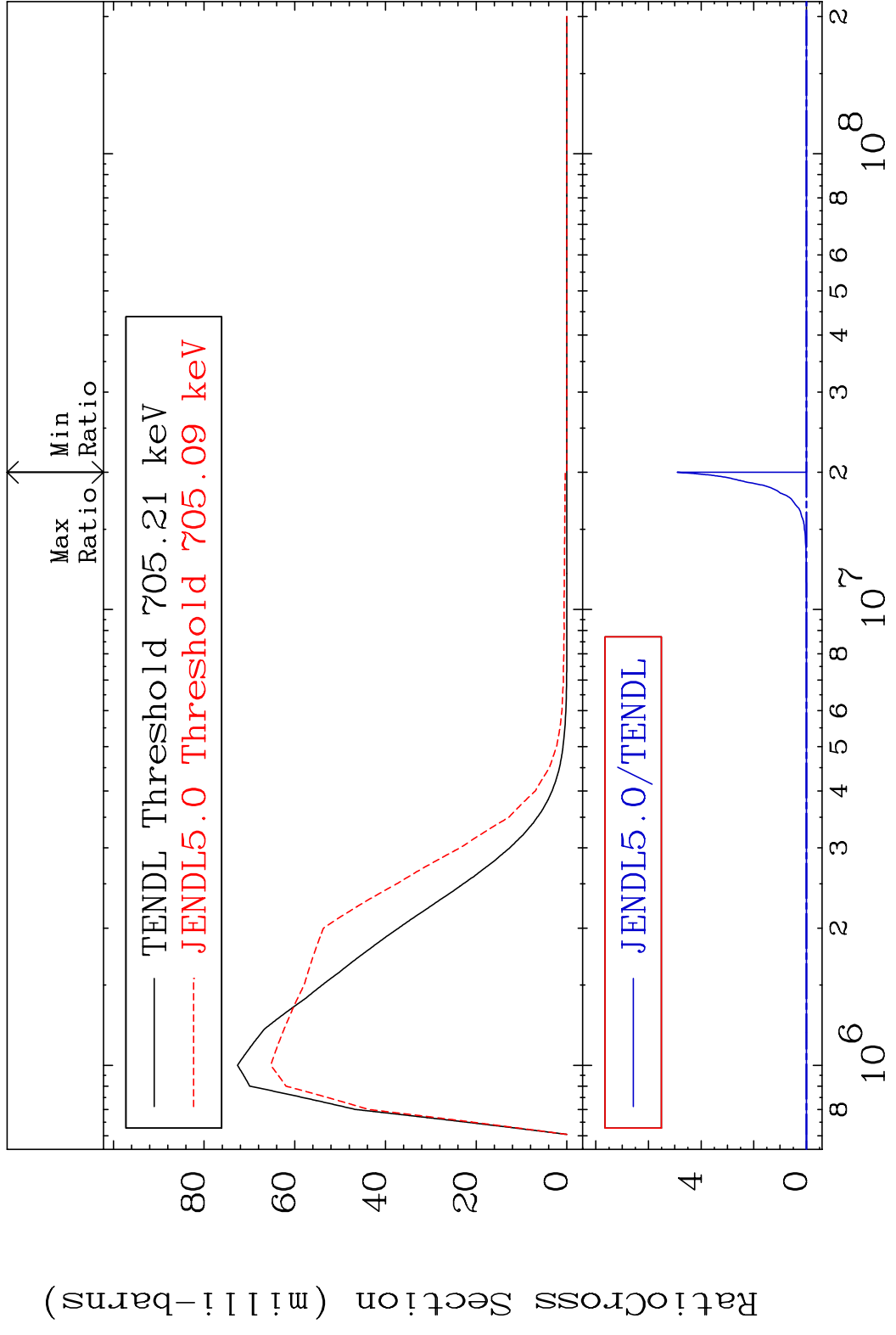


16 Incident Energy (eV) 42-Mo-99

MAT 4246 MT= 58 (n, n') Level 42-Mo-99  
 Cross Section -100.0 To 9999. %

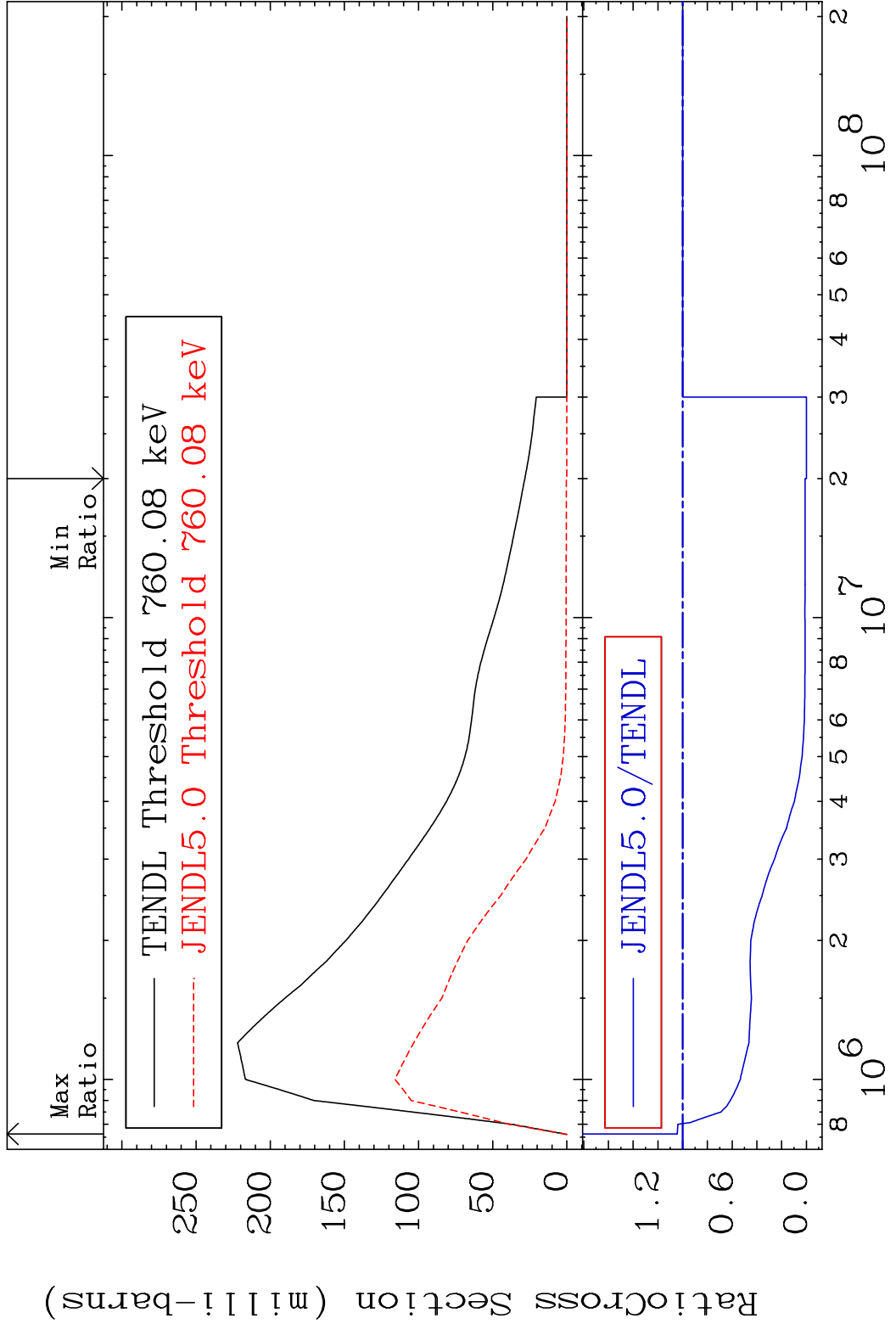


MAT 4246 MT= 59 (n, n') Level 42-Mo-99  
 Cross Section -100.0 To 9999. %

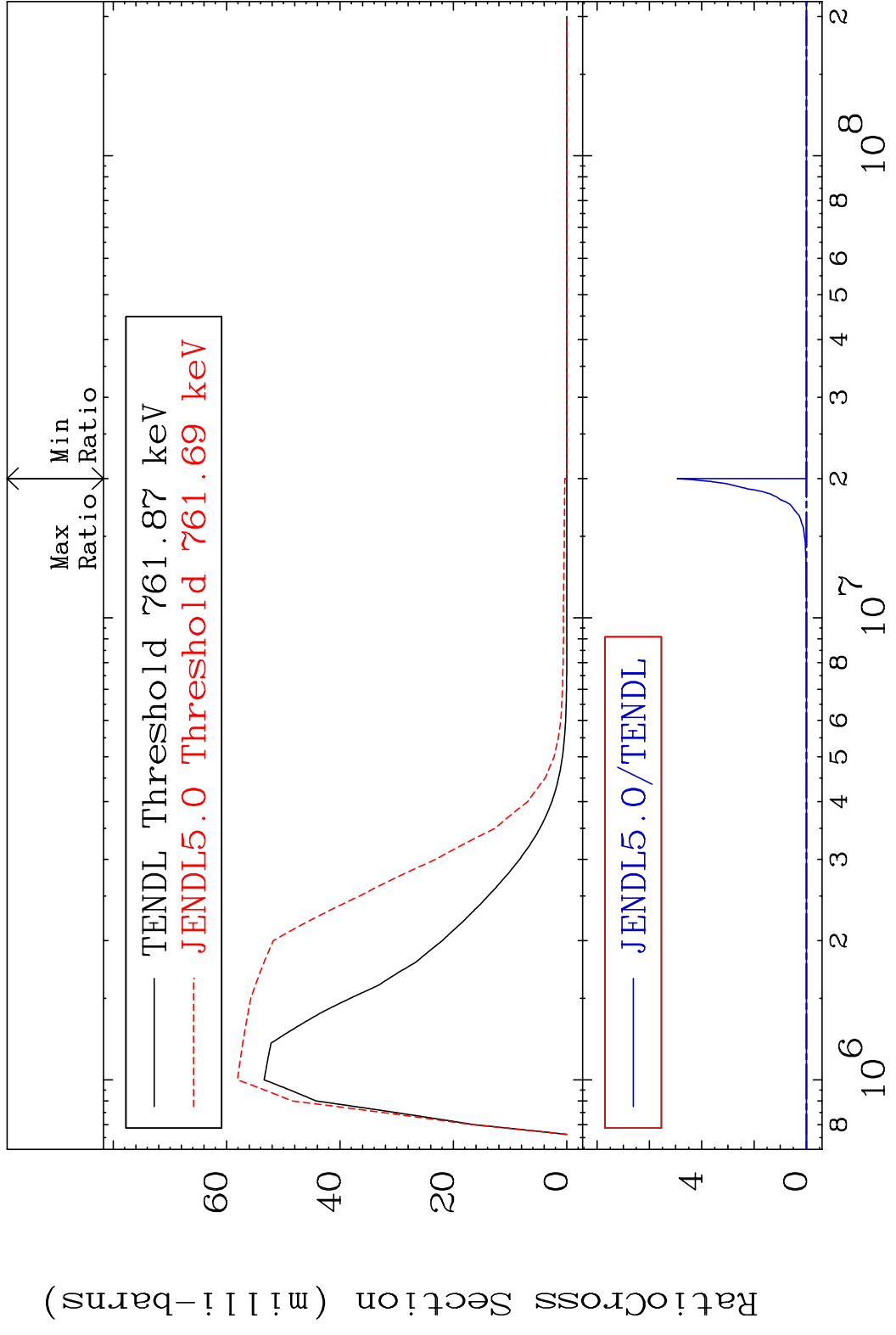


18 42-Mo-99

MAT 4246 MT= 60 (n, n') Level 42-Mo-99  
 Cross Section -100.0 To 4.437 %

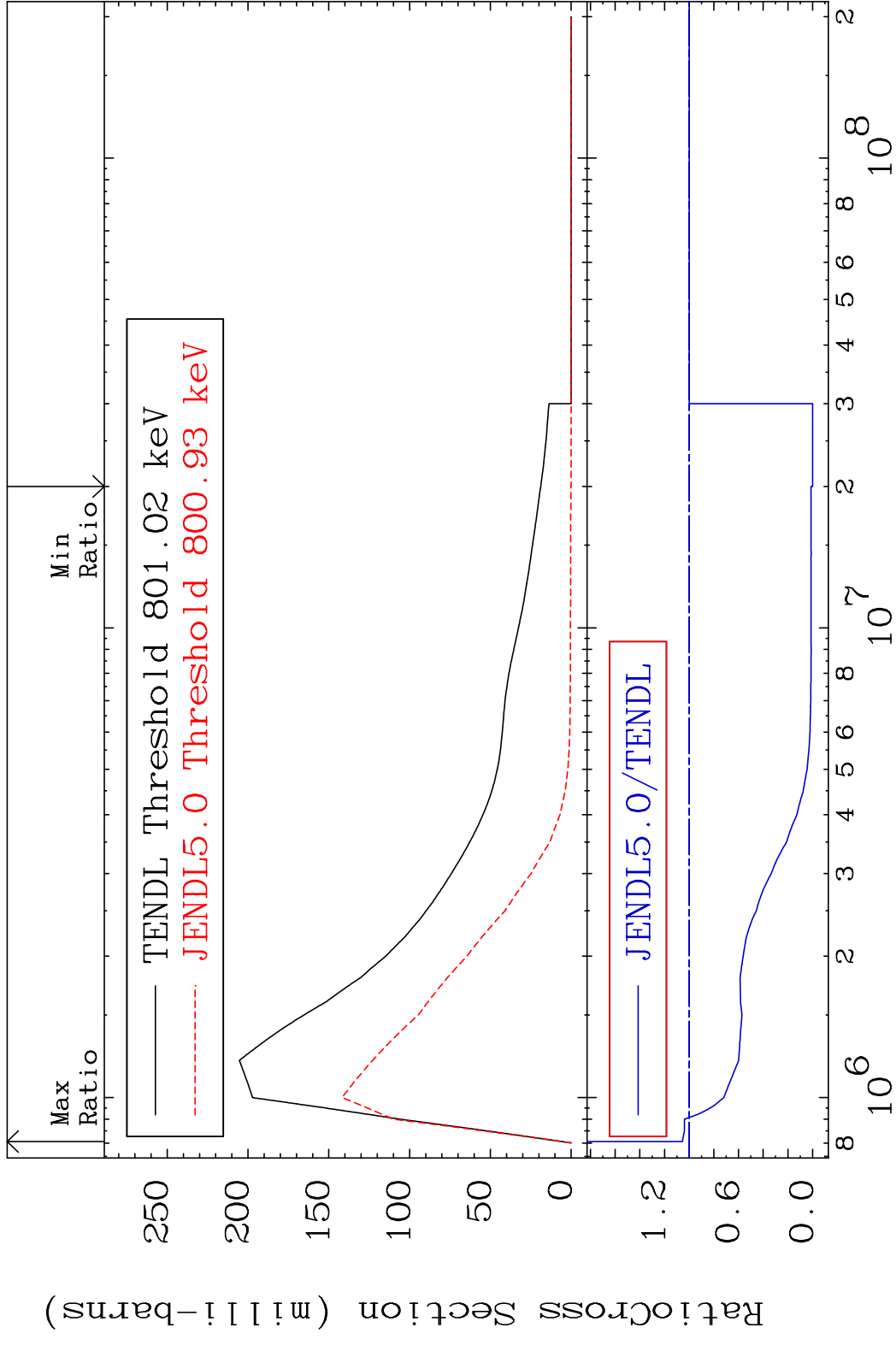


MAT 4246 MT= 61 (n, n') Level 42-Mo-99  
 Cross Section -100.0 To 9999. %

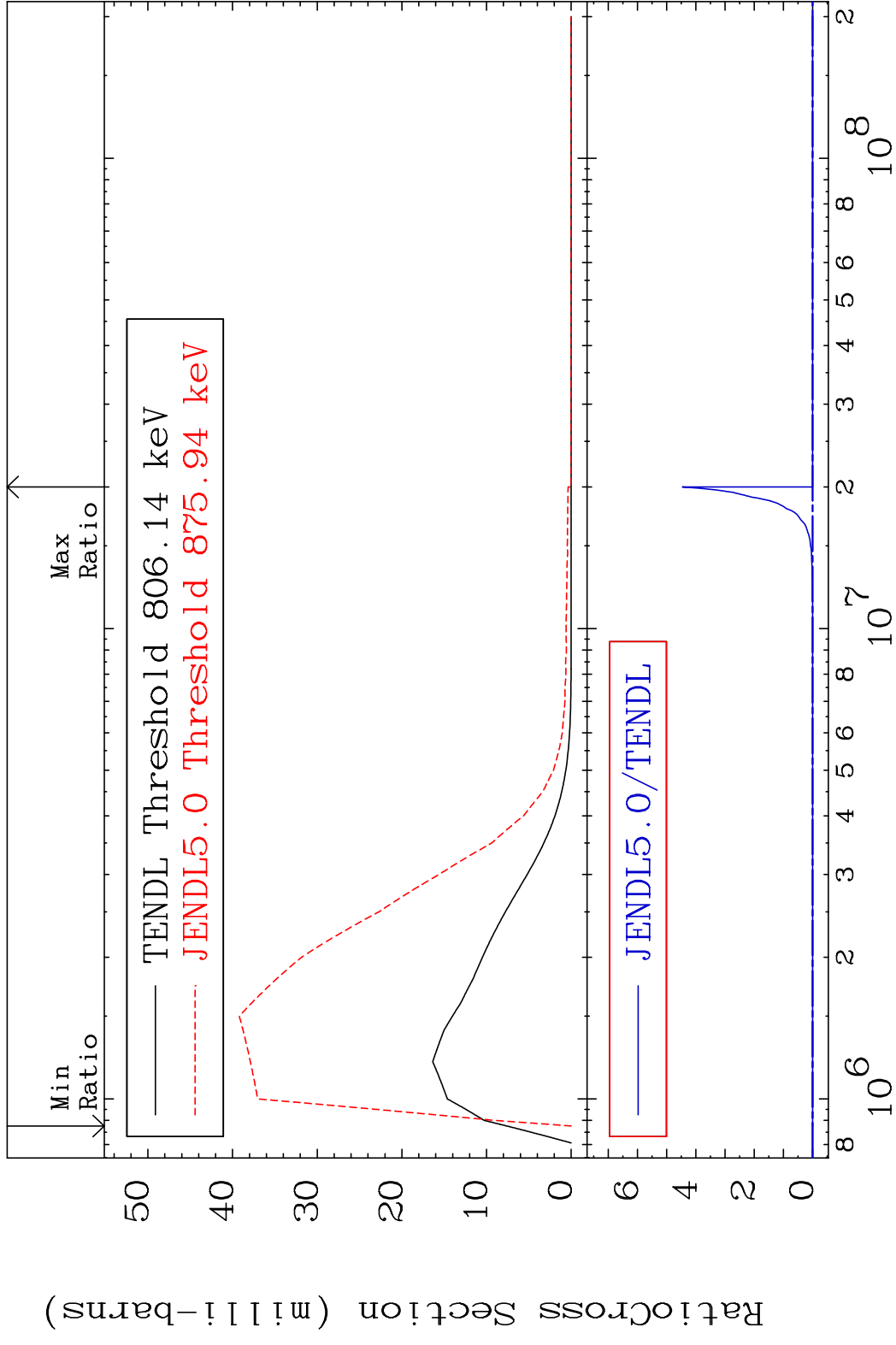


20 42-Mo-99

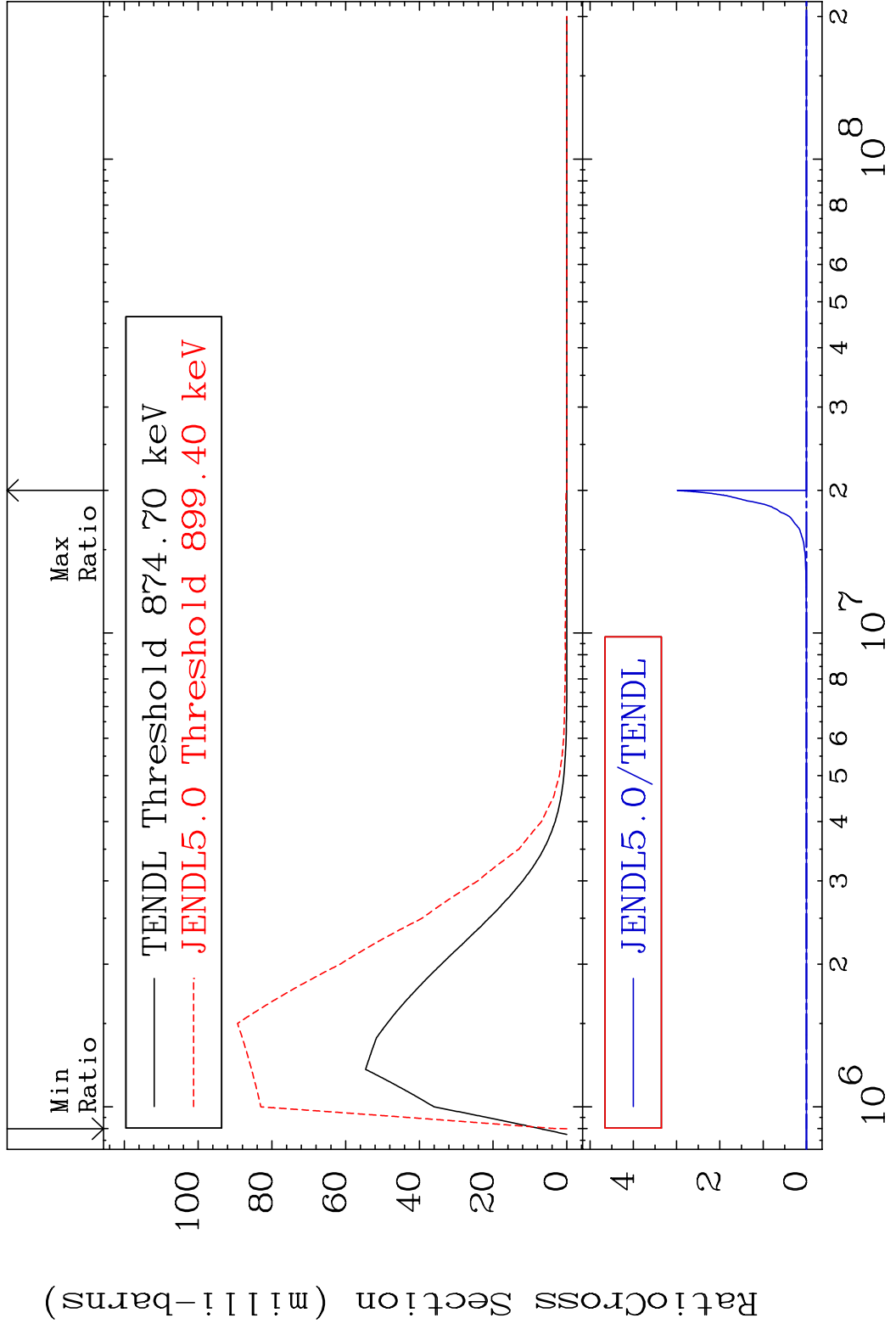
MAT 4246 MT= 62 (n, n') Level 42-Mo-99  
 Cross Section -100.0 To 5.538 %



MAT 4246 MT= 63 (n, n') Level 42-Mo-99  
 Cross Section -100.0 To 9999. %

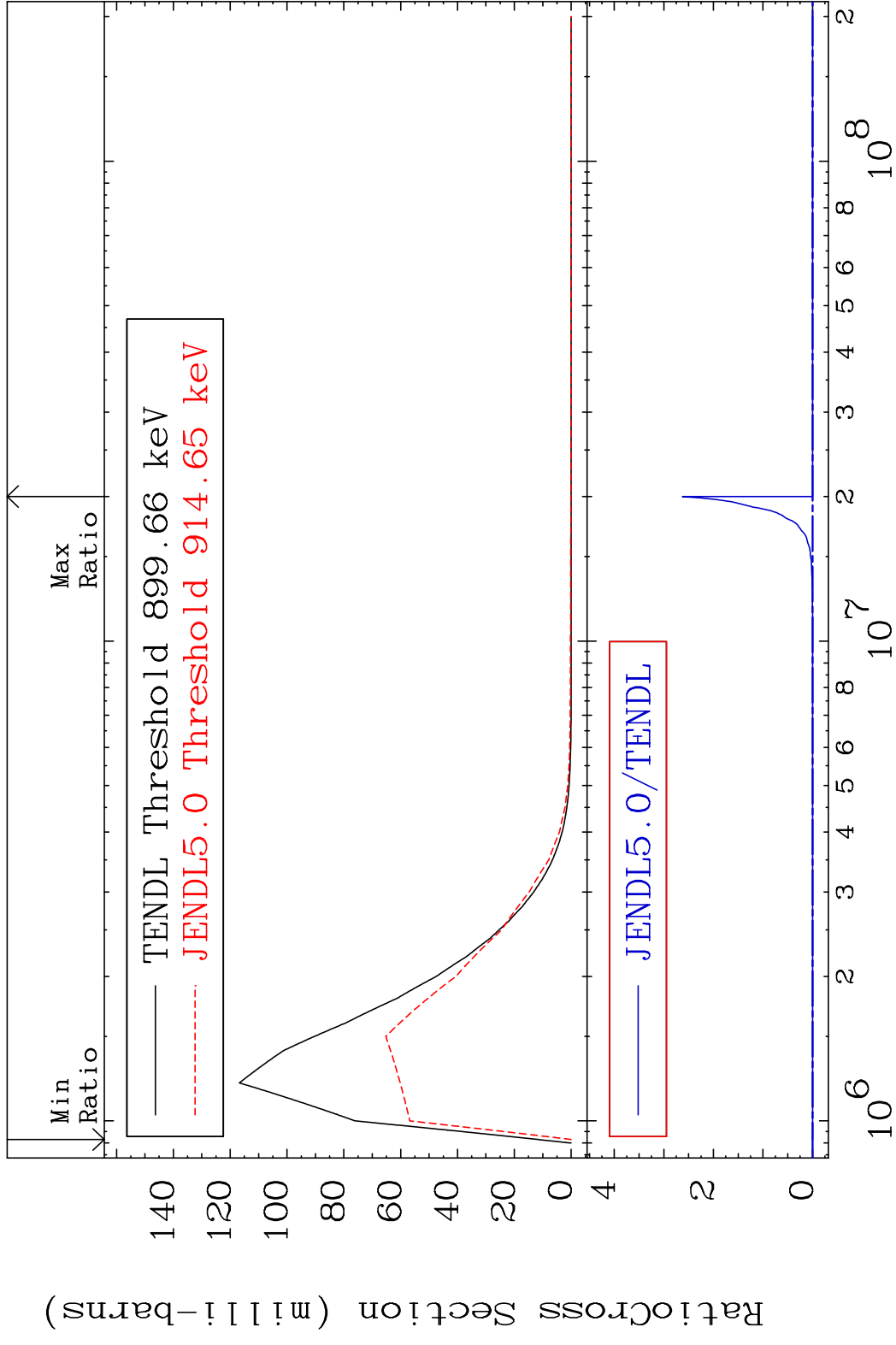


MAT 4246 MT= 64 (n, n') Level 42-Mo-99  
 Cross Section -100.0 To 9999. %



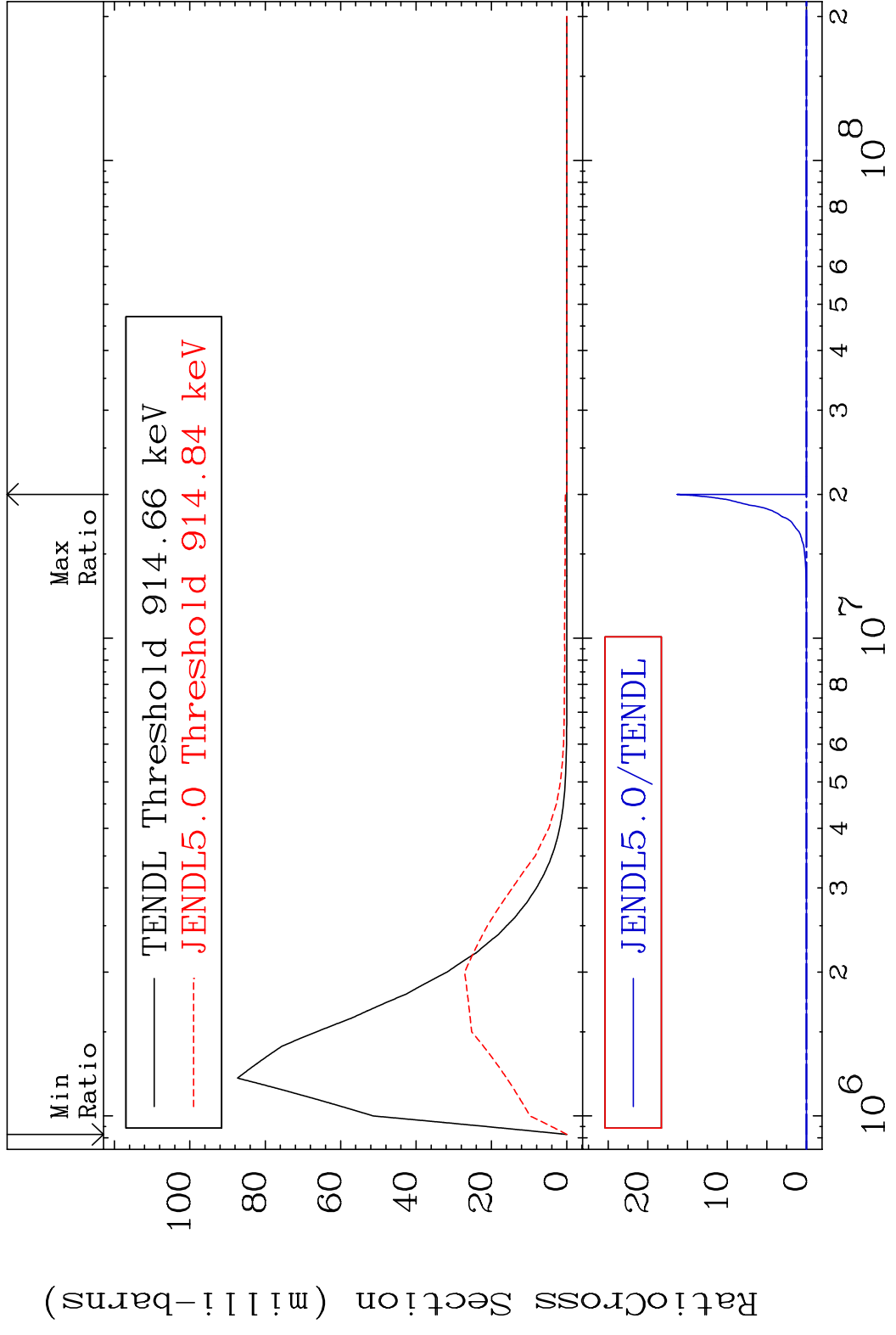


MAT 4246 MT= 65 (n, n') Level 42-Mo-99  
 Cross Section -100.0 To 9999. %



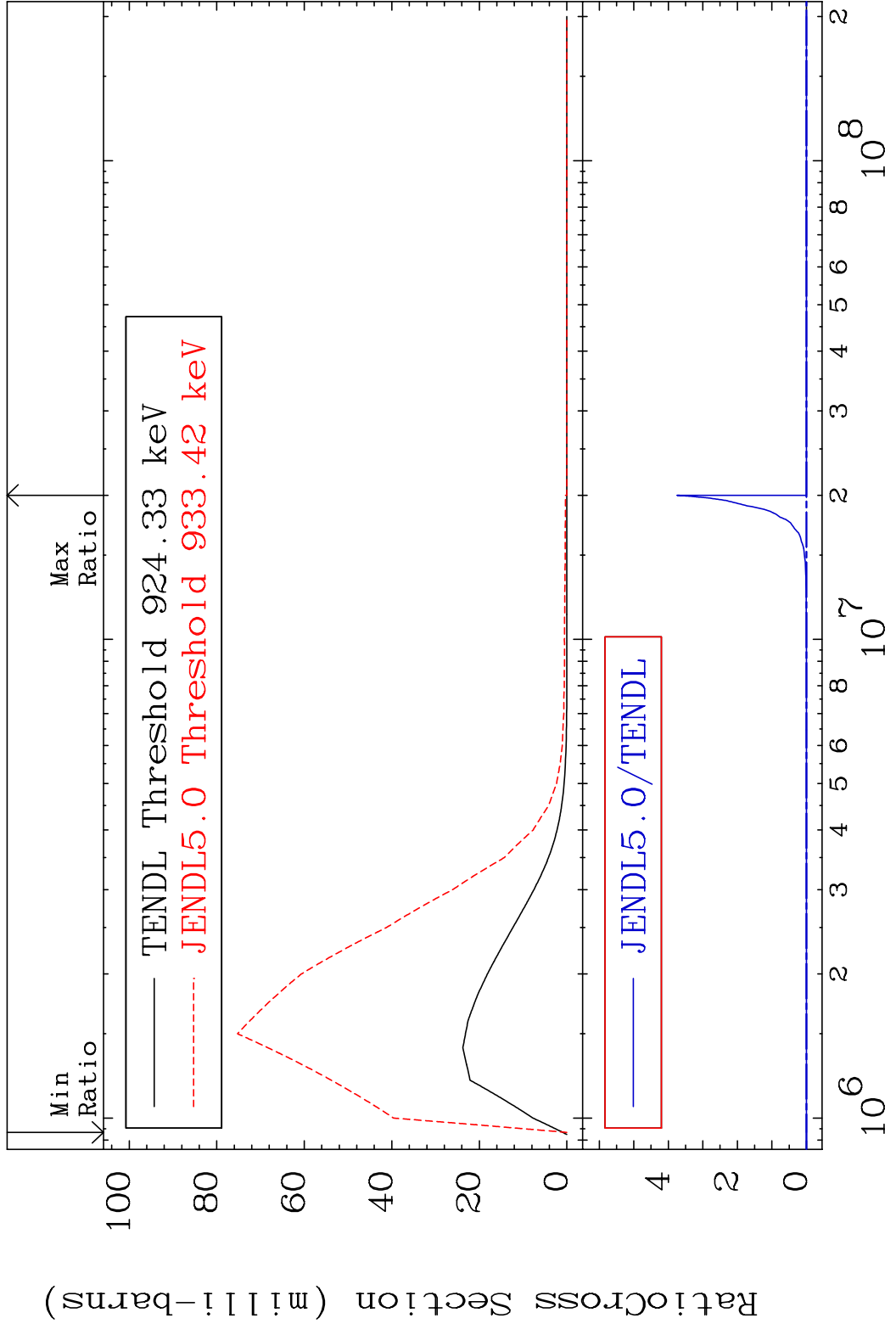
24 Incident Energy (eV) 42-Mo-99

MAT 4246 MT= 66 (n, n') Level 42-Mo-99  
 Cross Section -100.0 To 9999. %

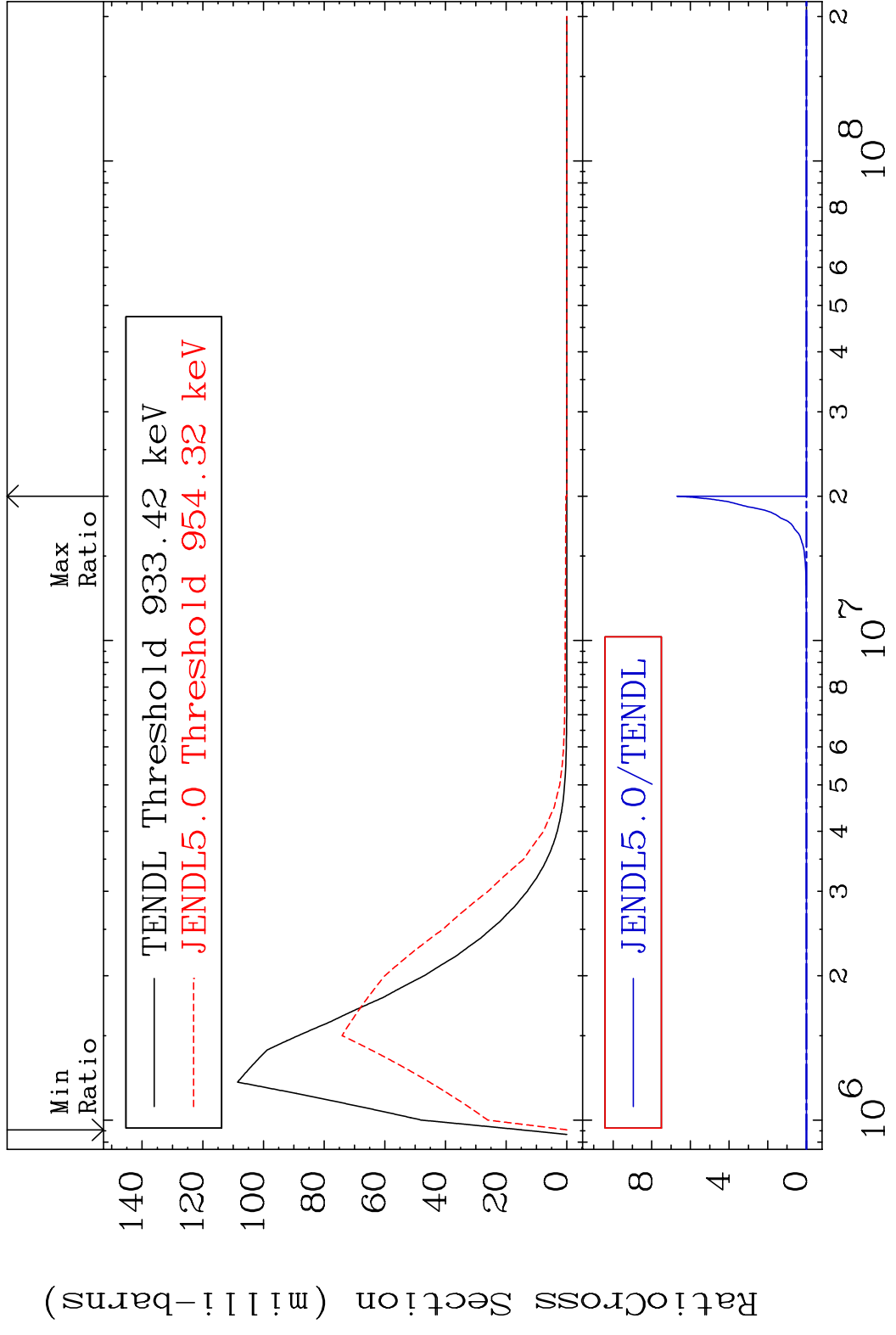


25 42-Mo-99

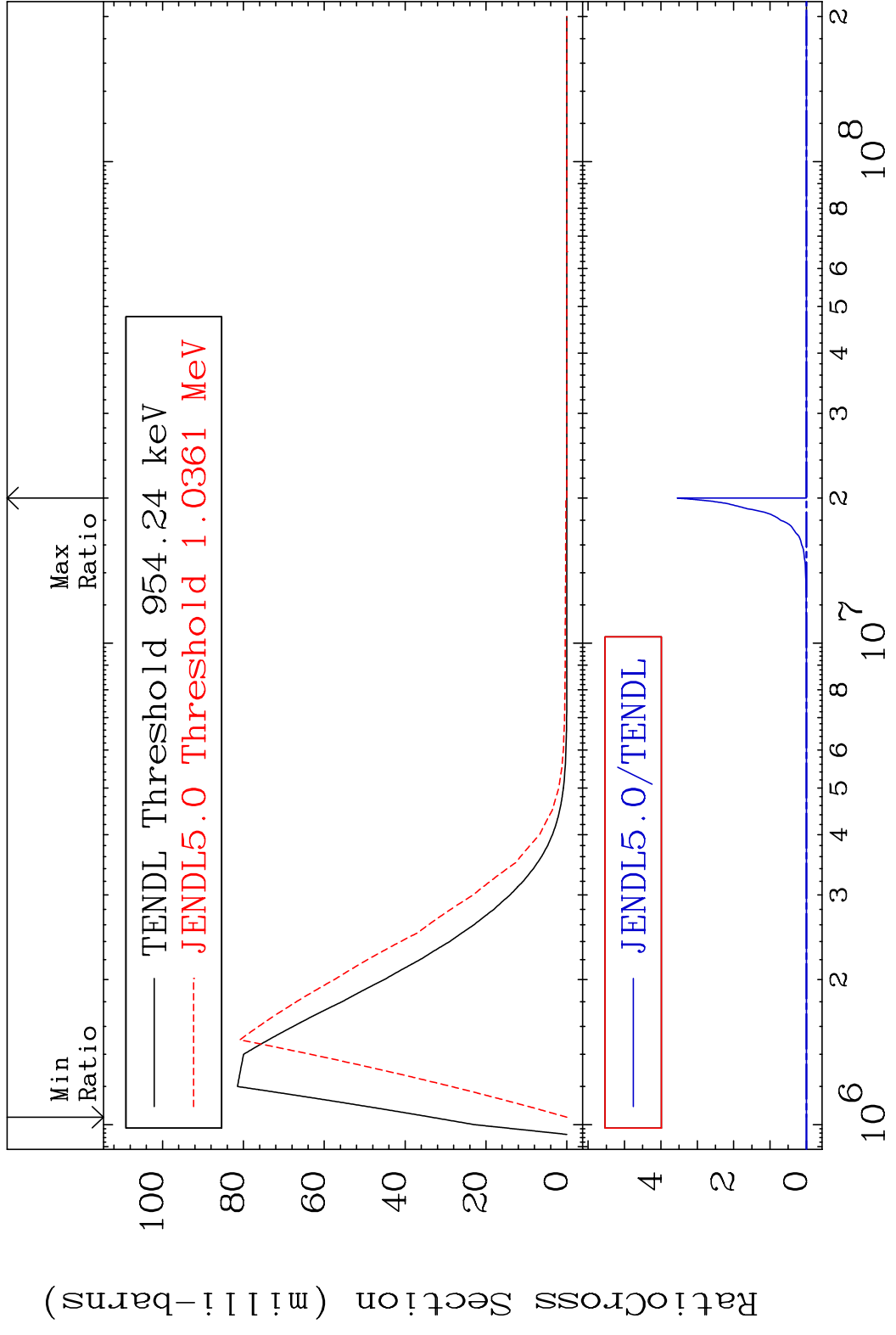
MAT 4246 MT= 67 (n, n') Level 42-Mo-99  
 Cross Section -100.0 To 9999. %



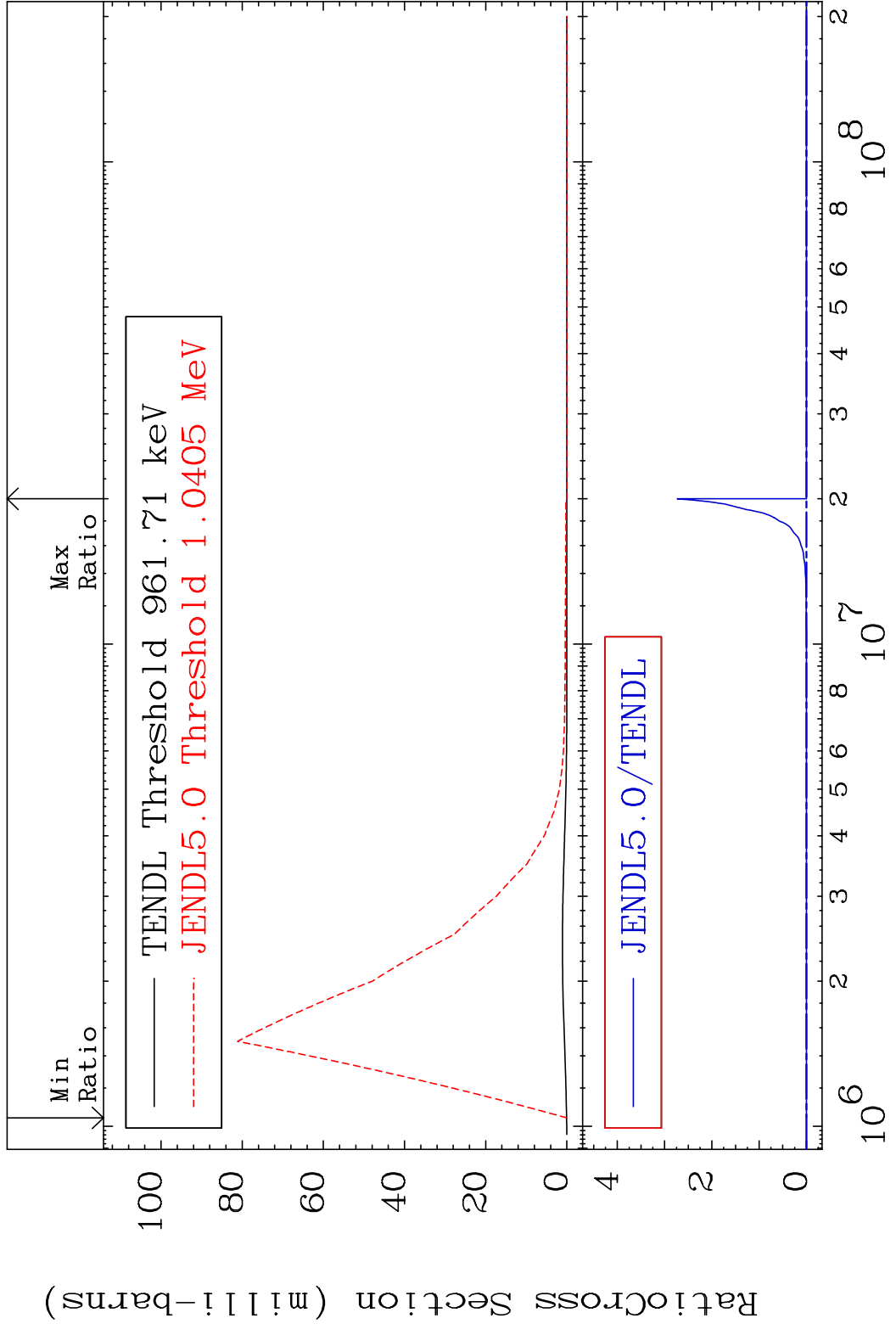
MAT 4246 MT= 68 (n, n') Level 42-Mo-99  
 Cross Section -100.0 To 9999. %



MAT 4246 MT= 69 (n, n') Level 42-Mo-99  
 Cross Section -100.0 To 9999. %

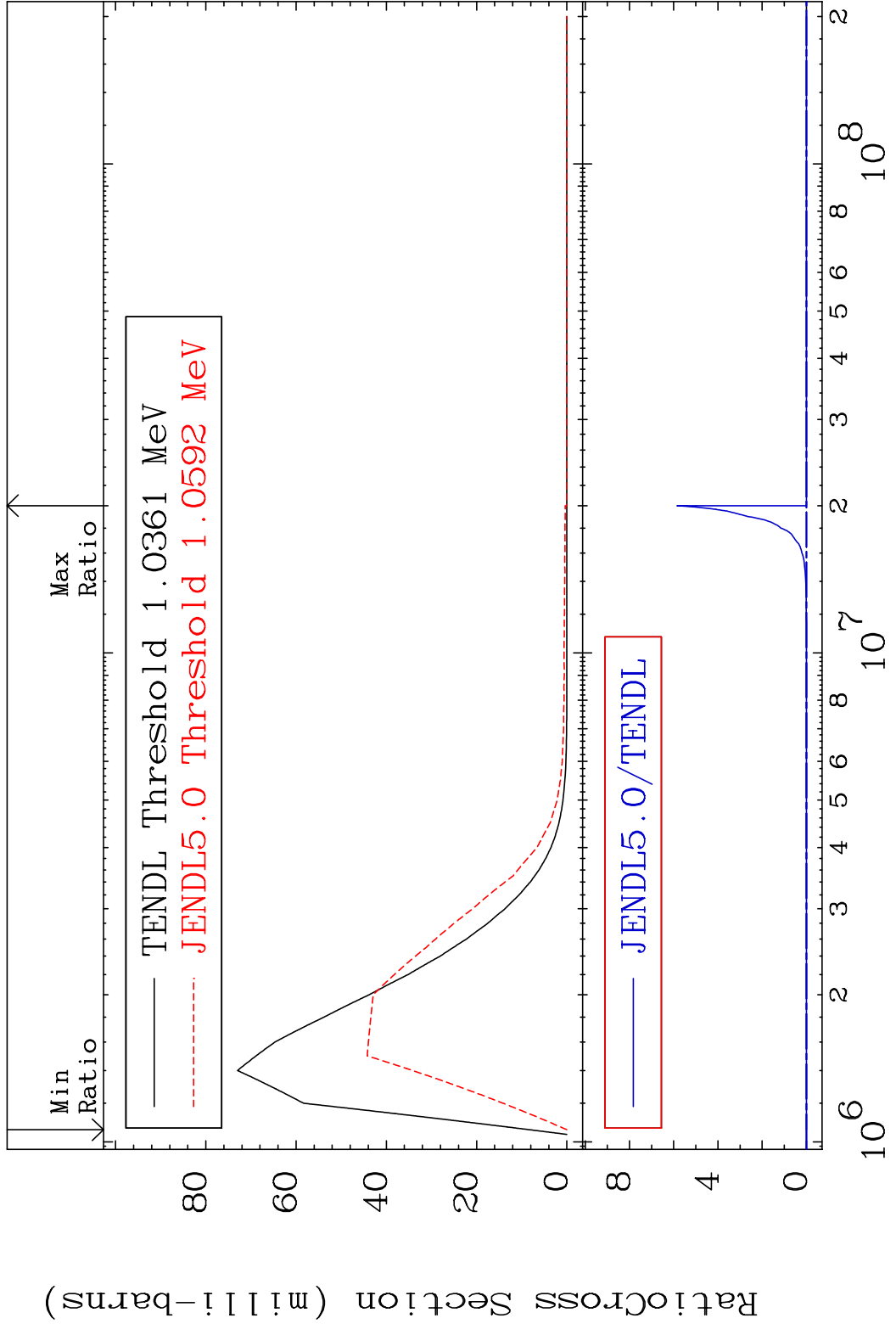


MAT 4246 MT= 70 (n, n') Level 42-Mo-99  
 Cross Section -100.0 To 9999. %

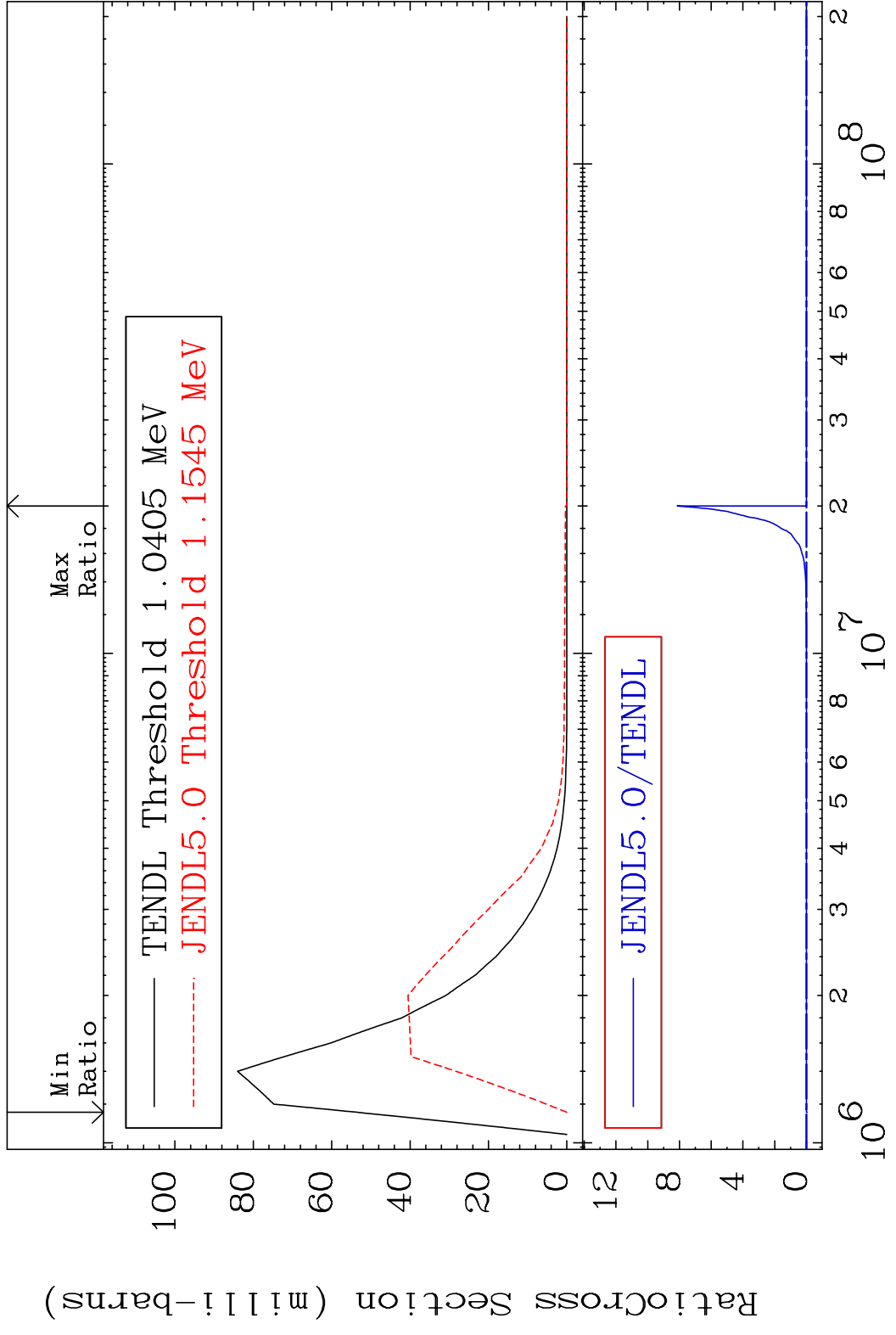


29

MAT 4246 MT= 71 (n, n') Level 42-Mo-99  
 Cross Section -100.0 To 9999. %

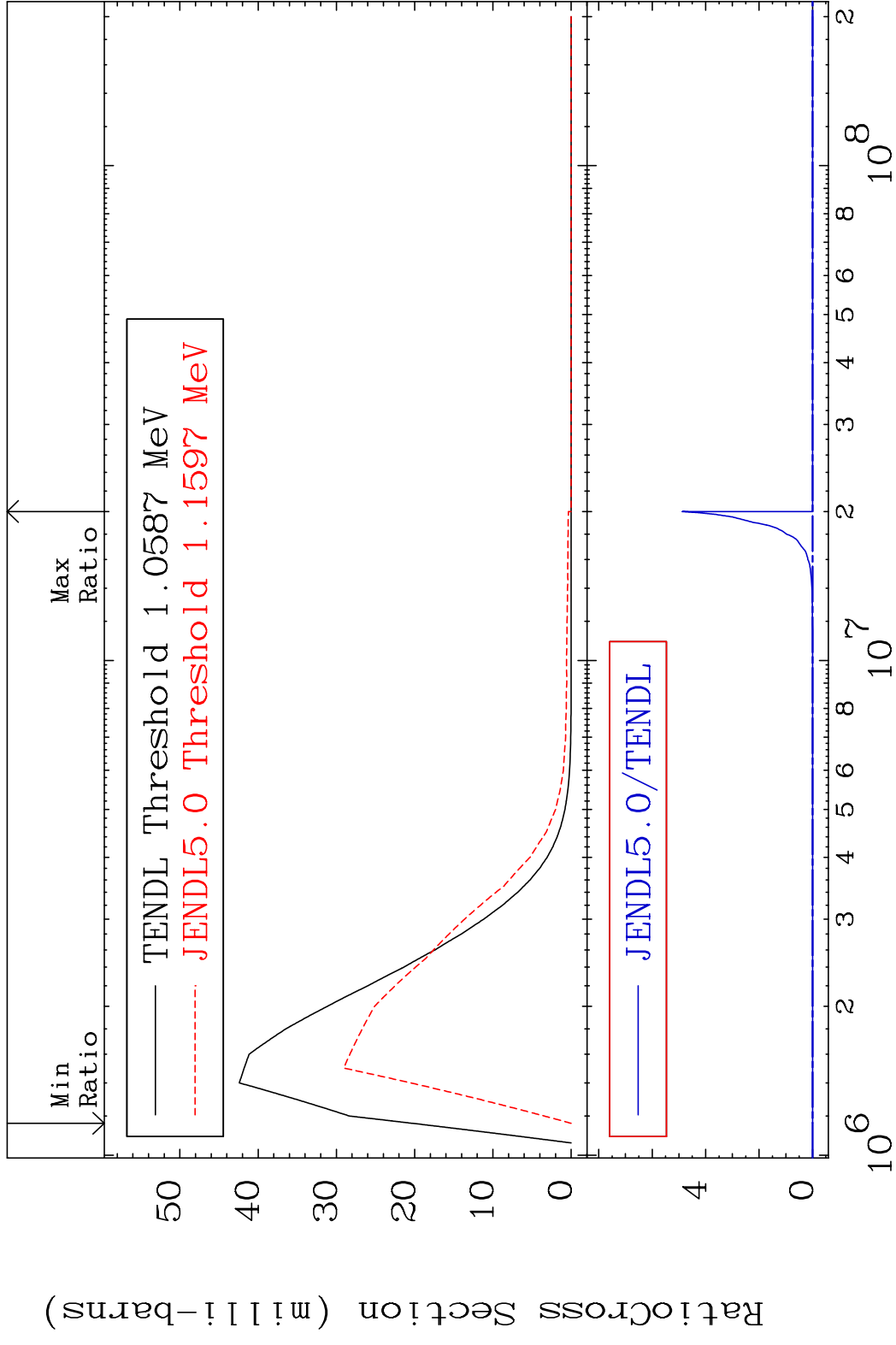


MAT 4246 MT= 72 (n, n') Level 42-Mo-99  
 Cross Section -100.0 To 9999. %



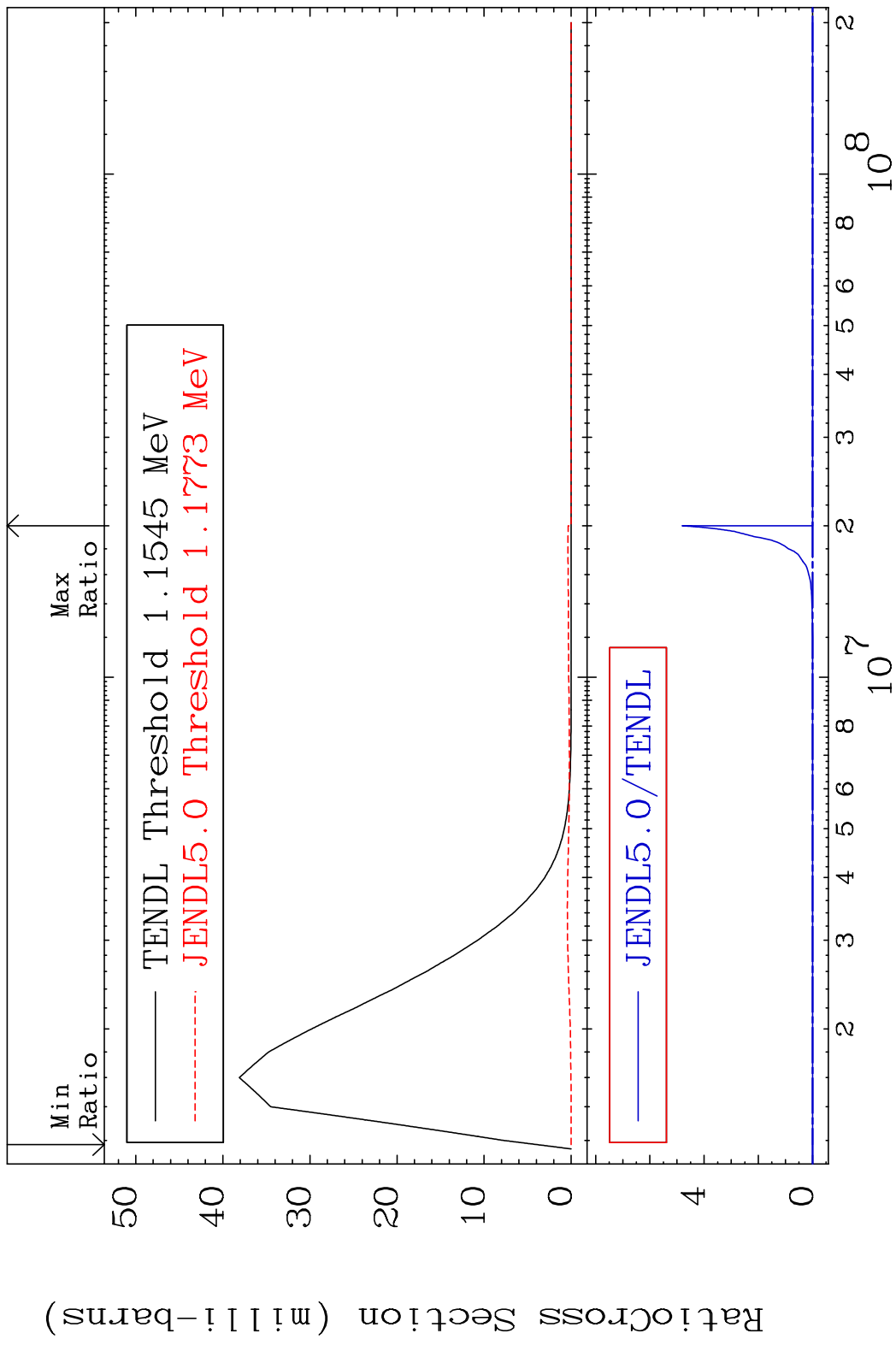


MAT 4246 MT= 73 (n, n') Level 42-Mo-99  
 Cross Section -100.0 To 9999. %

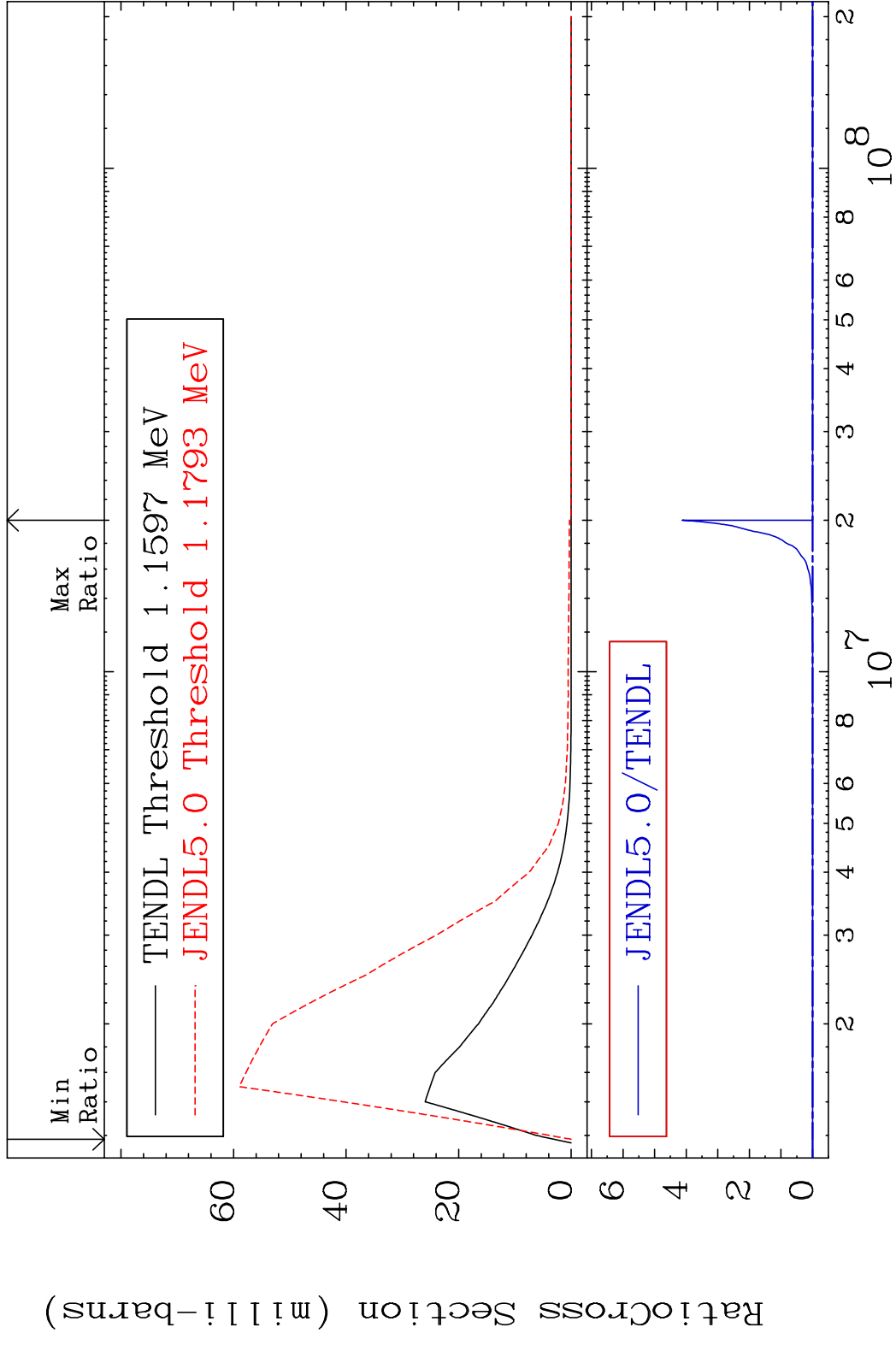


32 Incident Energy (eV) 42-Mo-99

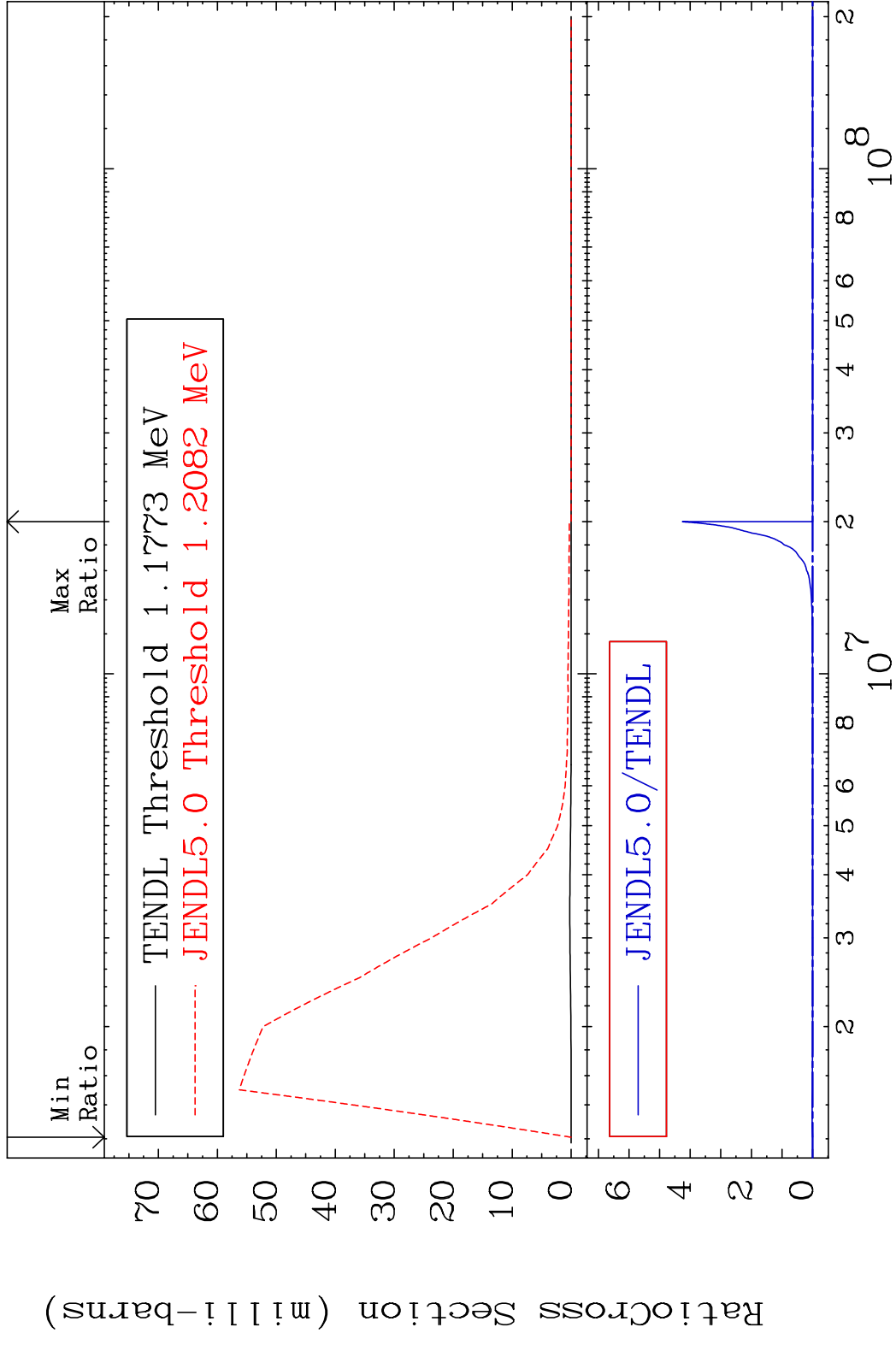
MAT 4246 MT= 74 (n, n') Level 42-Mo-99  
 Cross Section -100.0 To 9999. %



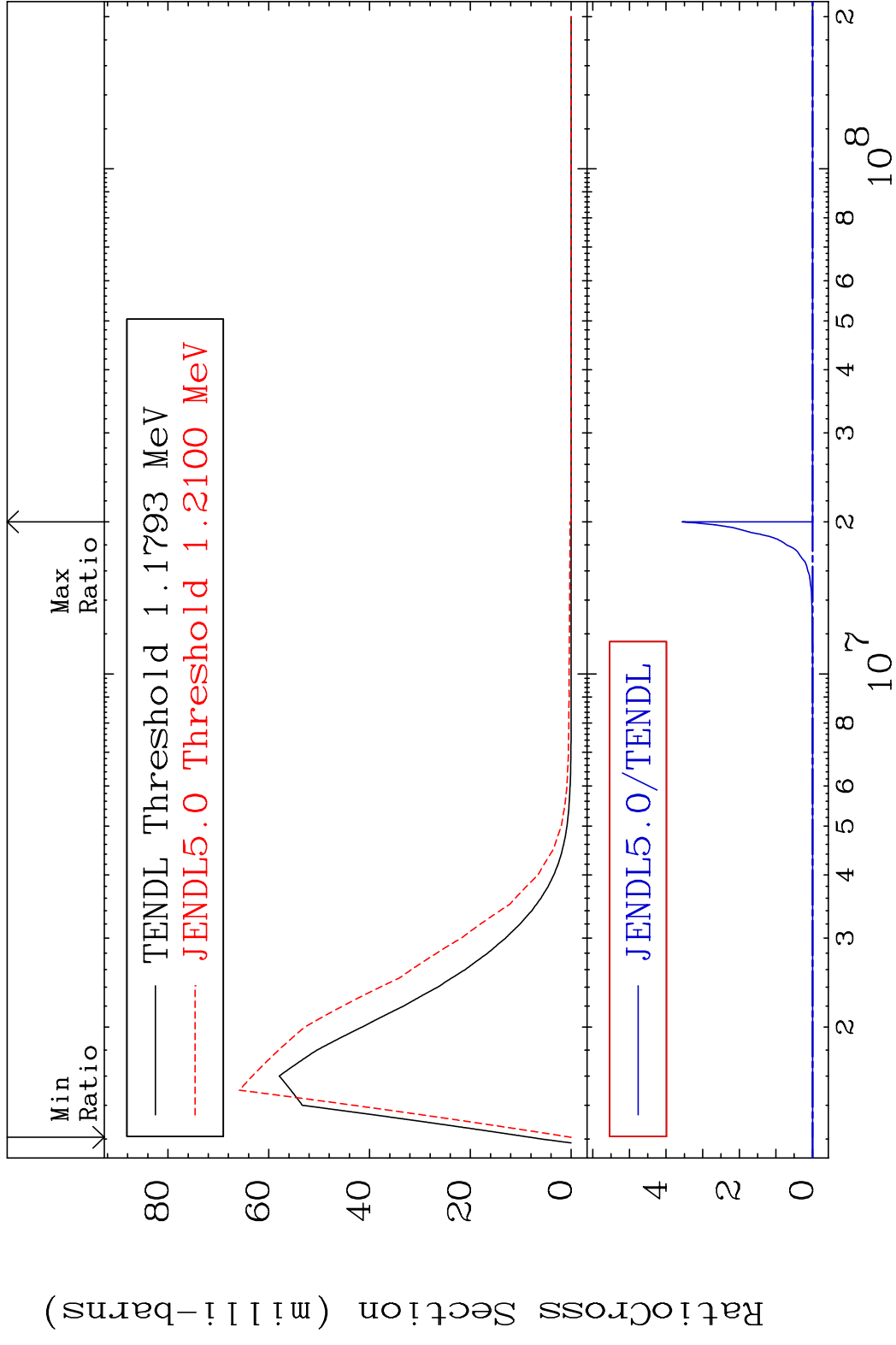
MAT 4246 MT= 75 (n, n') Level 42-Mo-99  
 Cross Section -100.0 To 9999. %



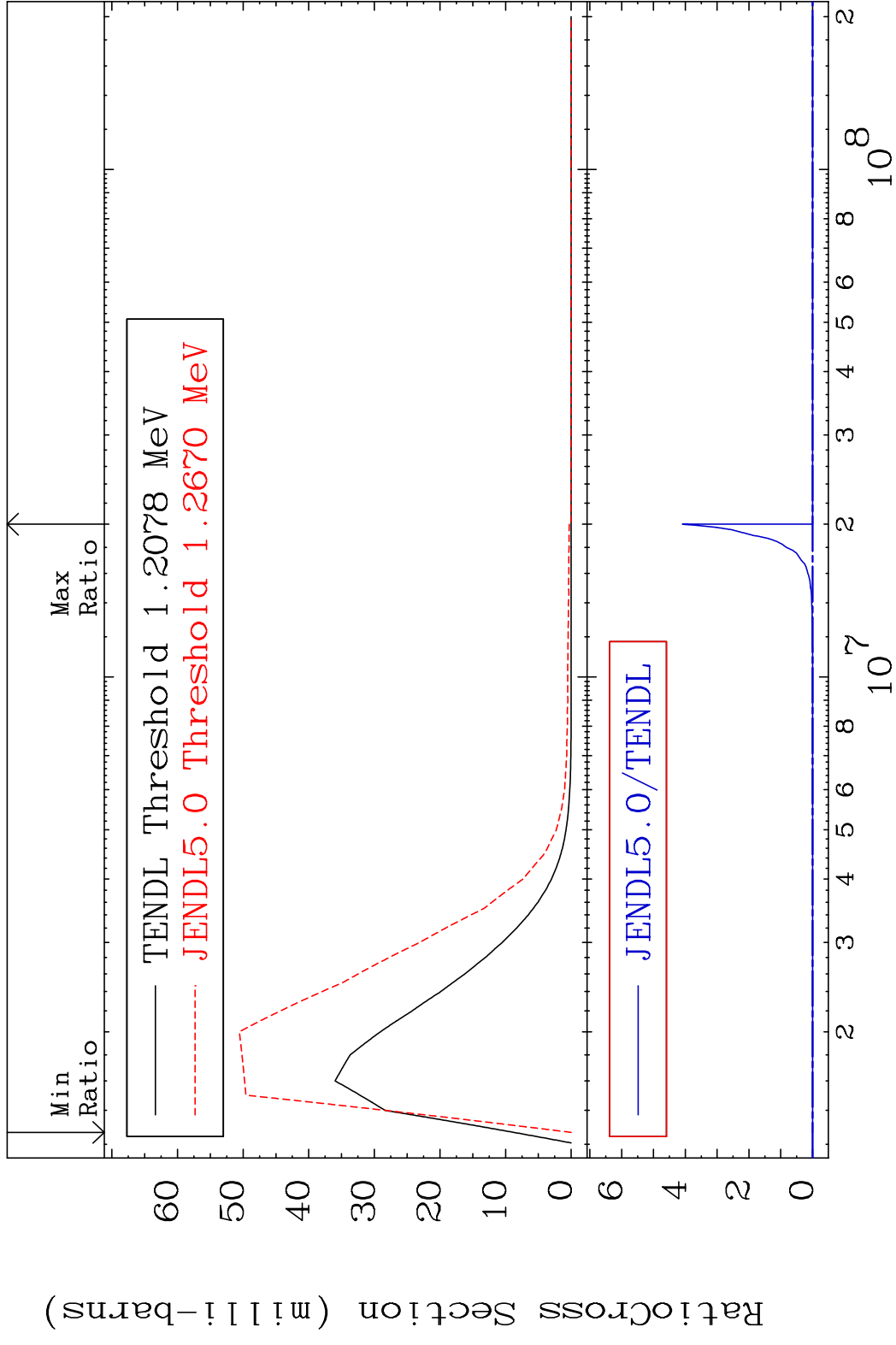
MAT 4246 MT= 76 (n, n') Level 42-Mo-99  
 Cross Section -100.0 To 9999. %



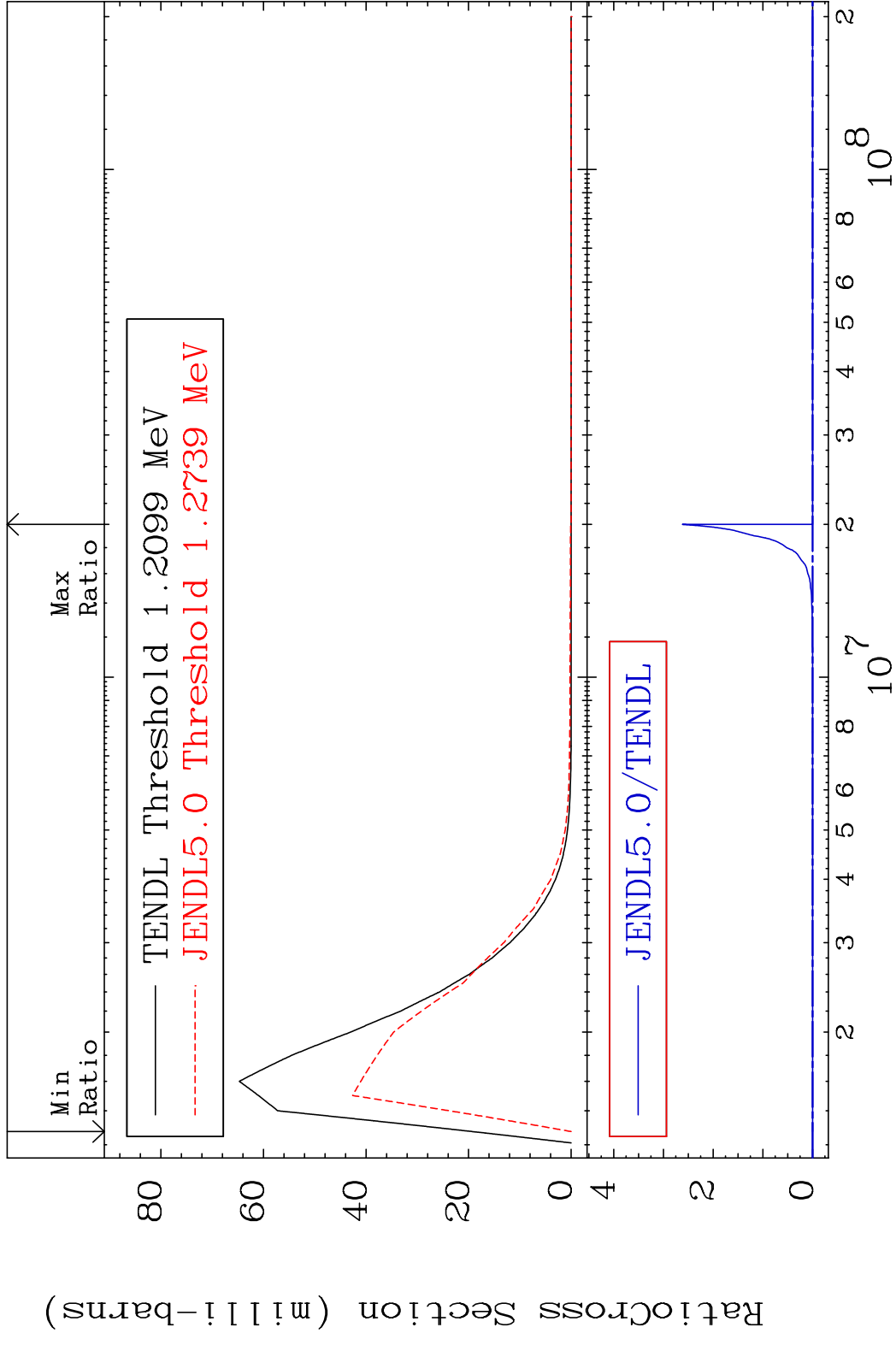
MAT 4246 MT= 77 (n, n') Level 42-Mo-99  
 Cross Section -100.0 To 9999. %



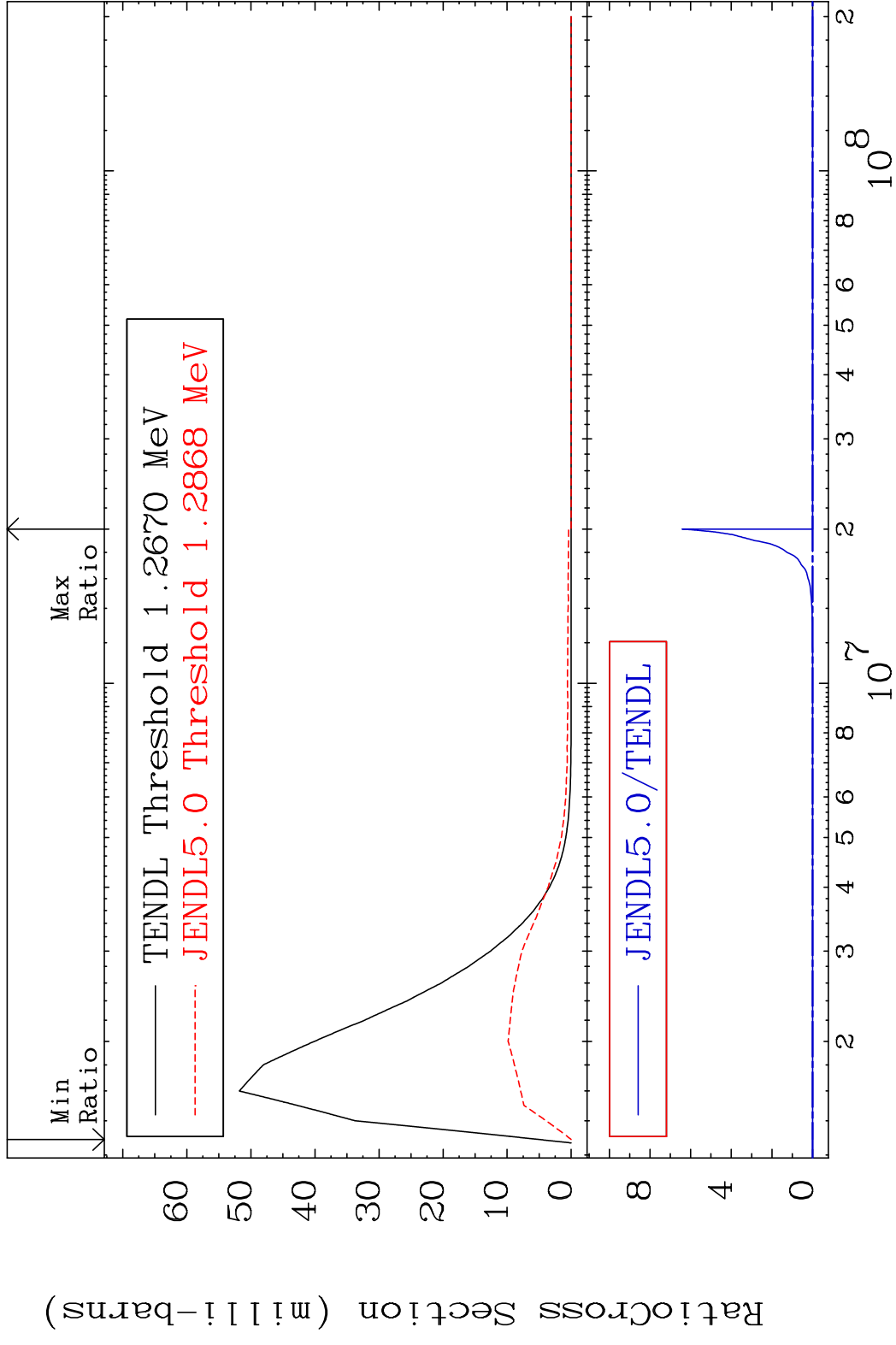
MAT 4246 MT= 78 (n, n') Level 42-Mo-99  
 Cross Section -100.0 To 9999. %



MAT 4246 MT= 79 (n, n') Level 42-Mo-99  
 Cross Section -100.0 To 9999. %



MAT 4246 MT= 80 (n, n') Level 42-Mo-99  
 Cross Section -100.0 To 9999. %



39 Incident Energy (eV) 42-Mo-99

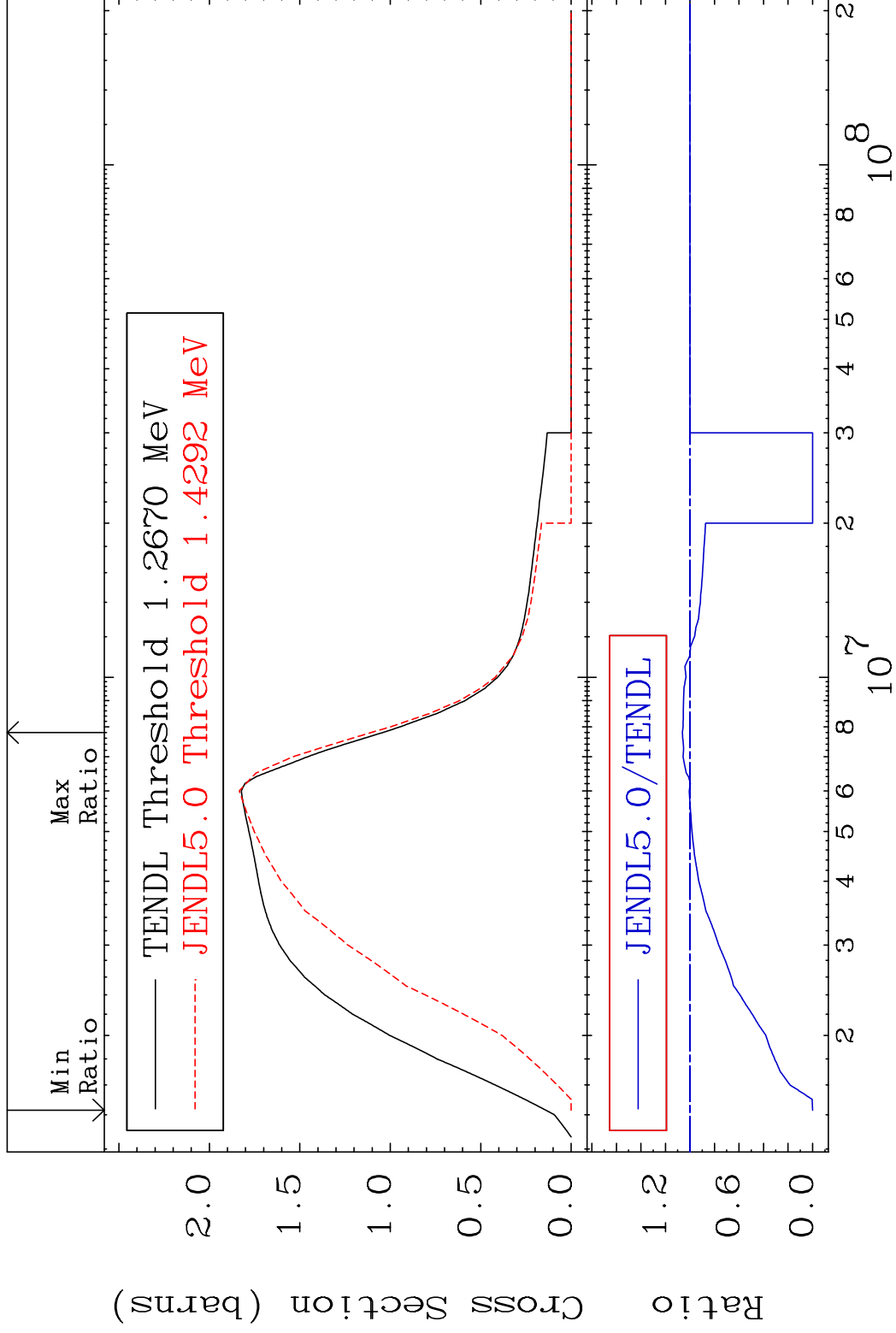


MAT 4246

(n, n') Continuum

42-Mo-99

Cross Section -100.0 To 6.189 %



40

Incident Energy (eV)

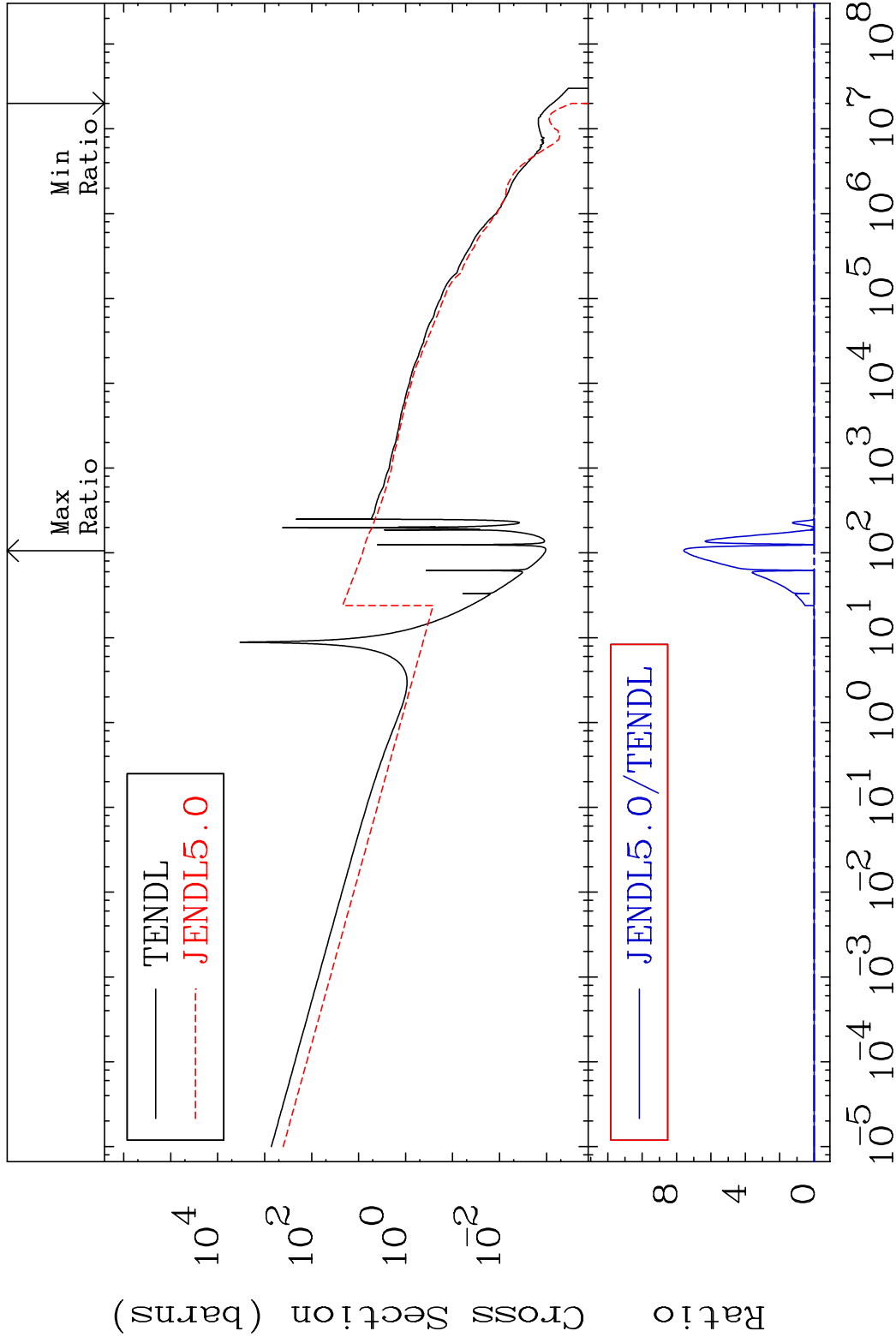
42-Mo-99

MAT 4246

(n,  $\gamma$ )

42-Mo-99

Cross Section -100.0 To 9999. %



41

Incident Energy (eV)

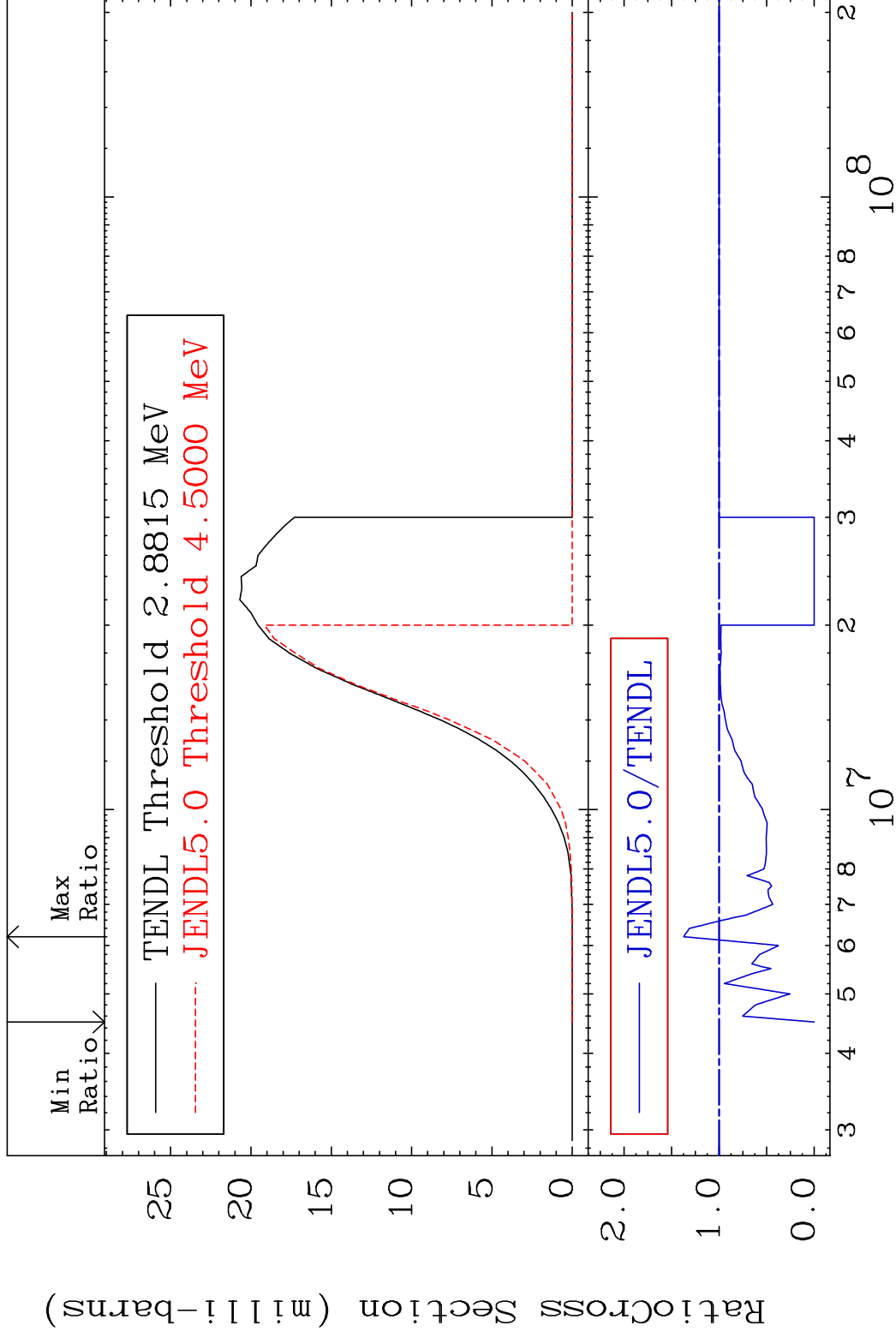
42-Mo-99

MAT 4246

(n,p)

42-Mo-99

Cross Section -100.0 To 37.33 %

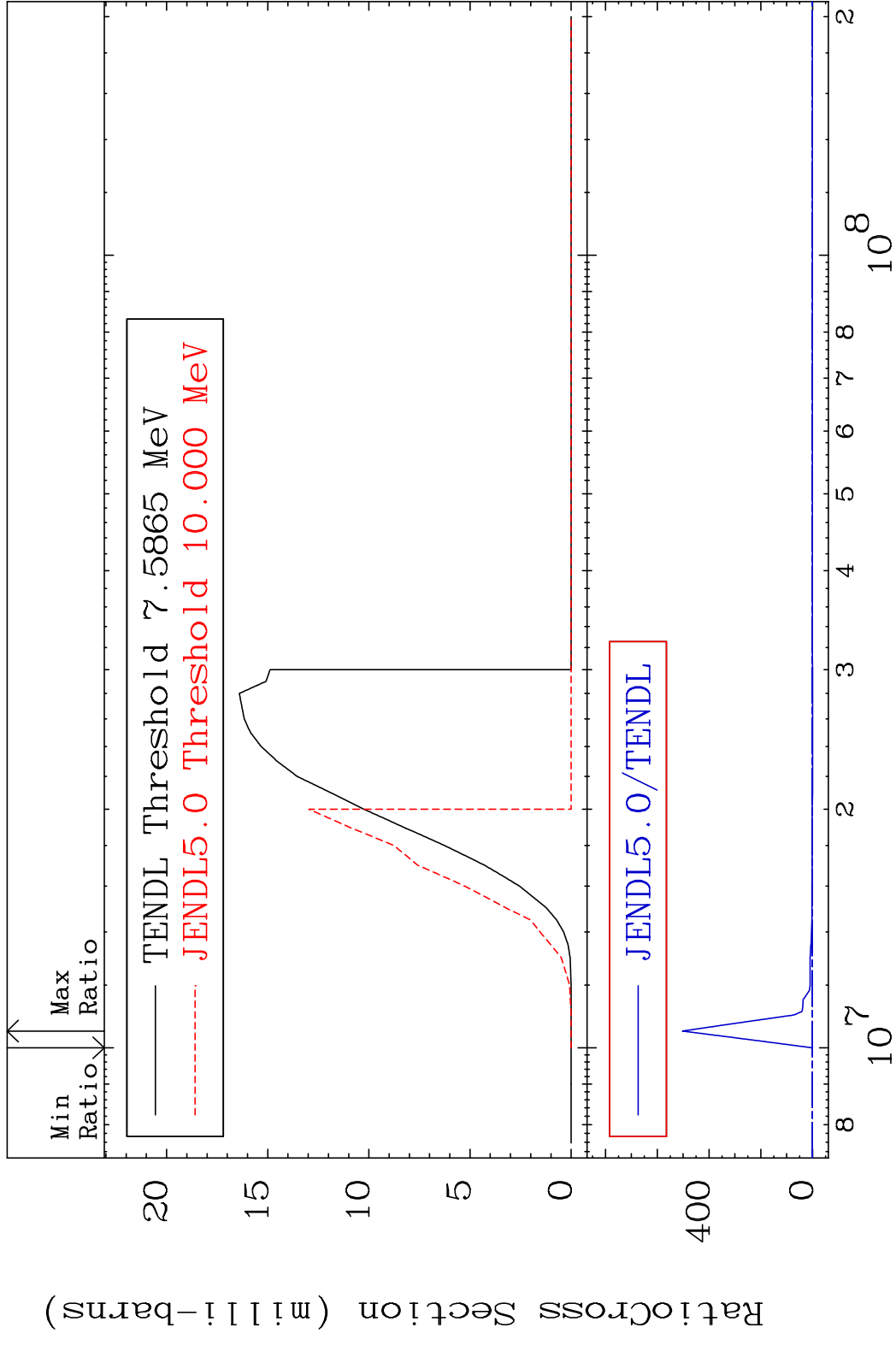


42

Incident Energy (eV)

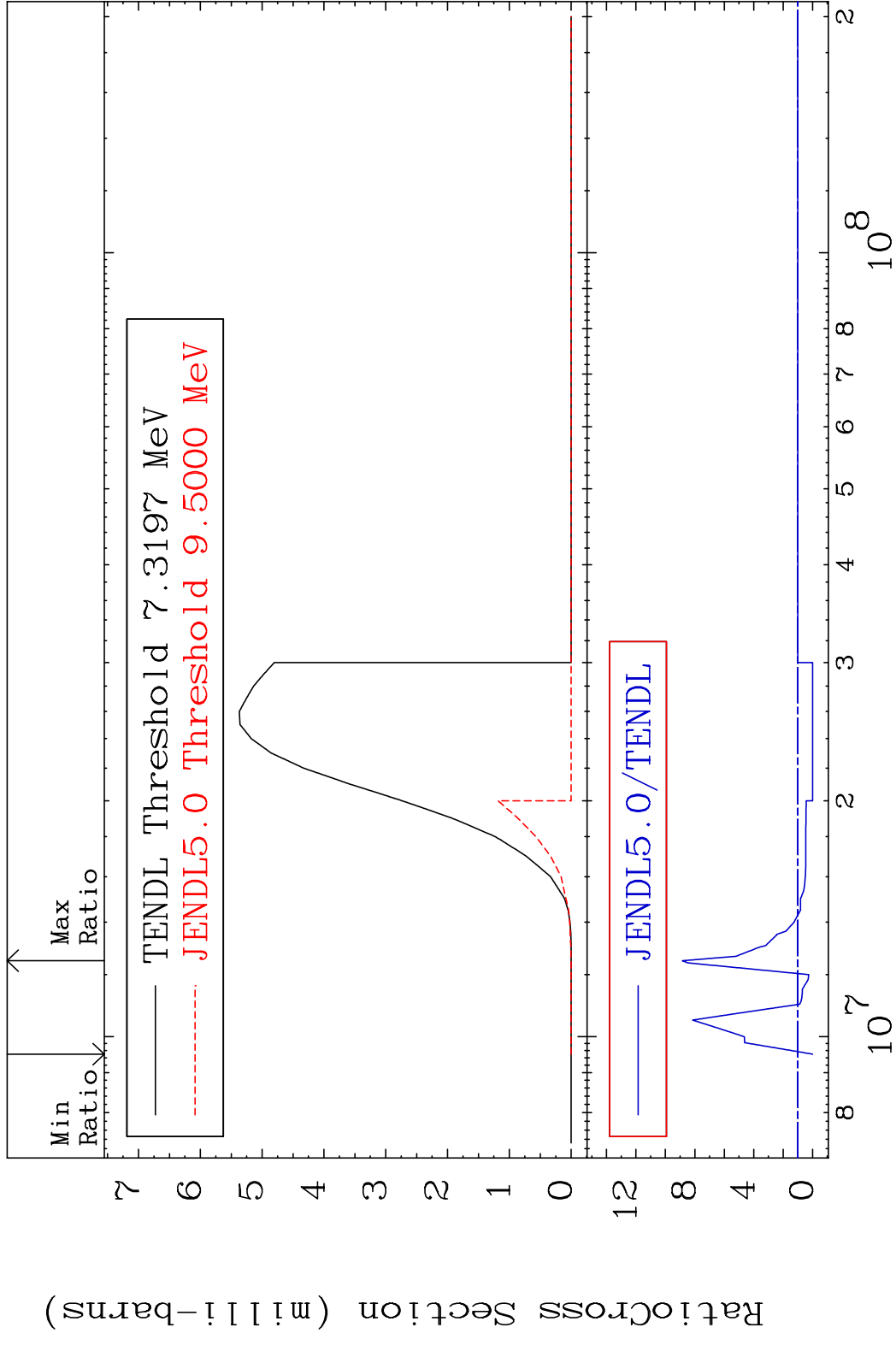
42-Mo-99

MAT 4246 (n,d) 42-Mo-99  
 Cross Section -100.0 To 9999. %



43 42-Mo-99

MAT 4246 (n, t) 42-Mo-99  
 Cross Section -100.0 To 784.7 %

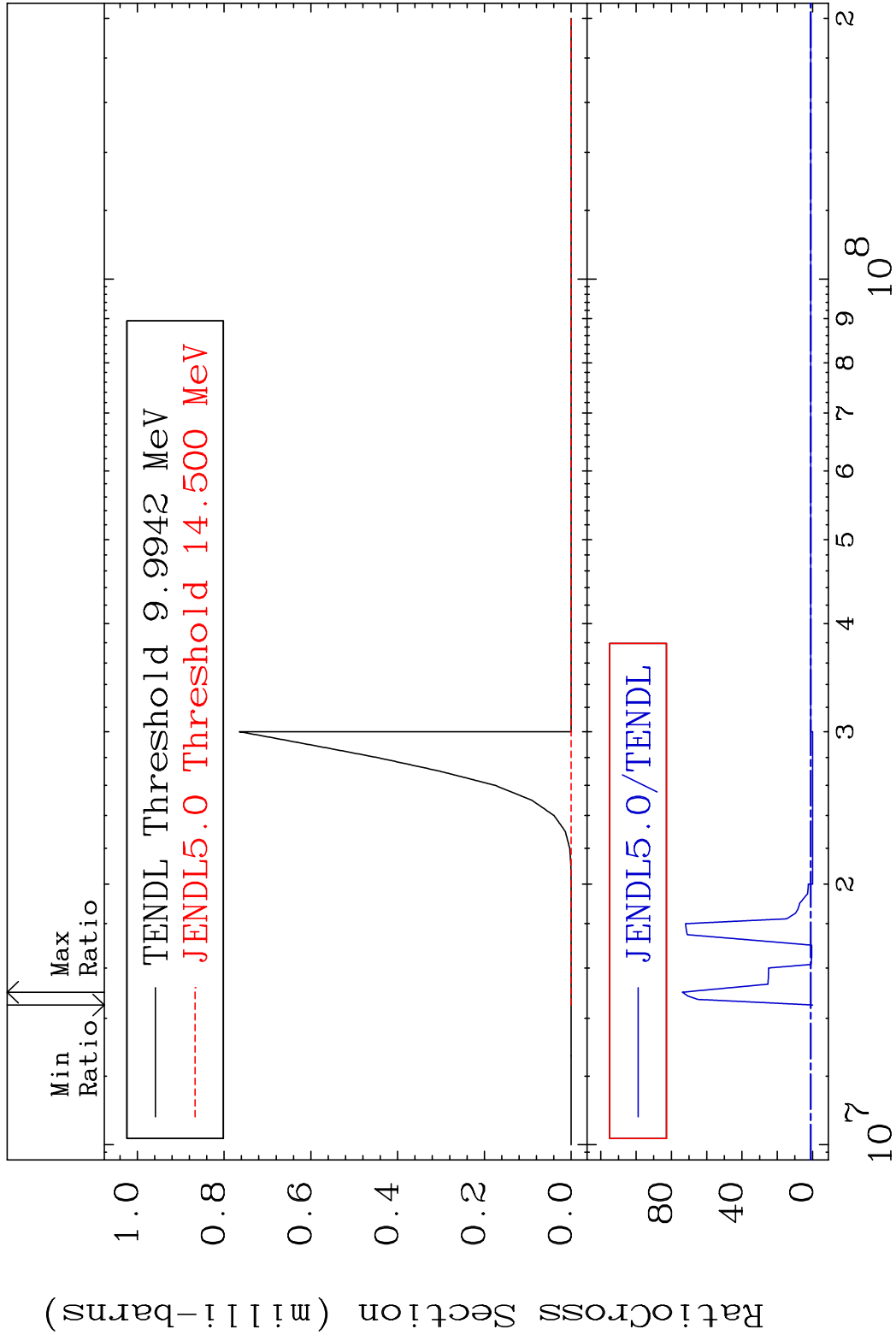


MAT 4246

(n, He-3)

42-Mo-99

Cross Section -100.0 To 7280. %



45

Incident Energy (eV)

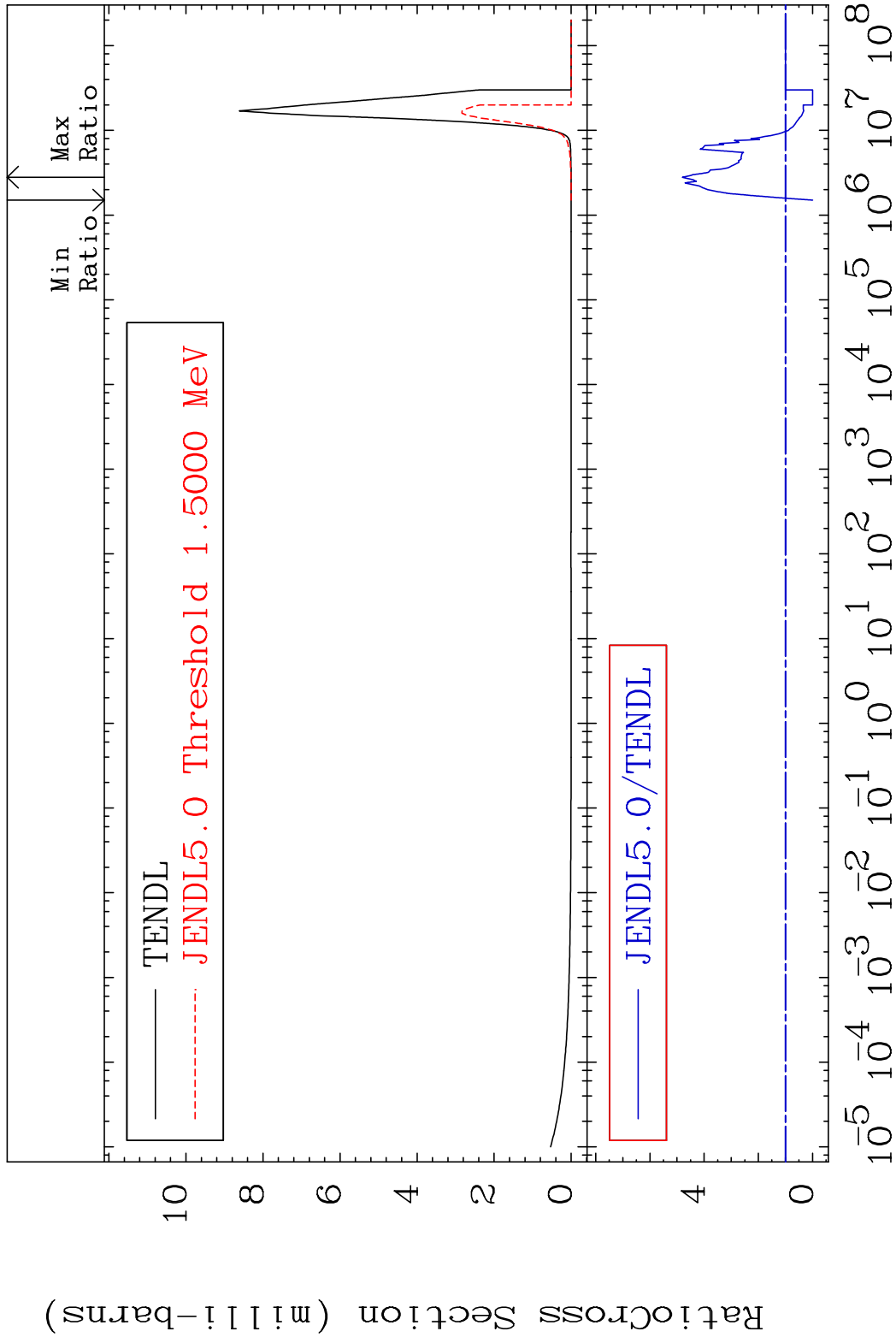
42-Mo-99

MAT 4246

(n,  $\alpha$ )

42-Mo-99

Cross Section -100.0 To 380.3 %

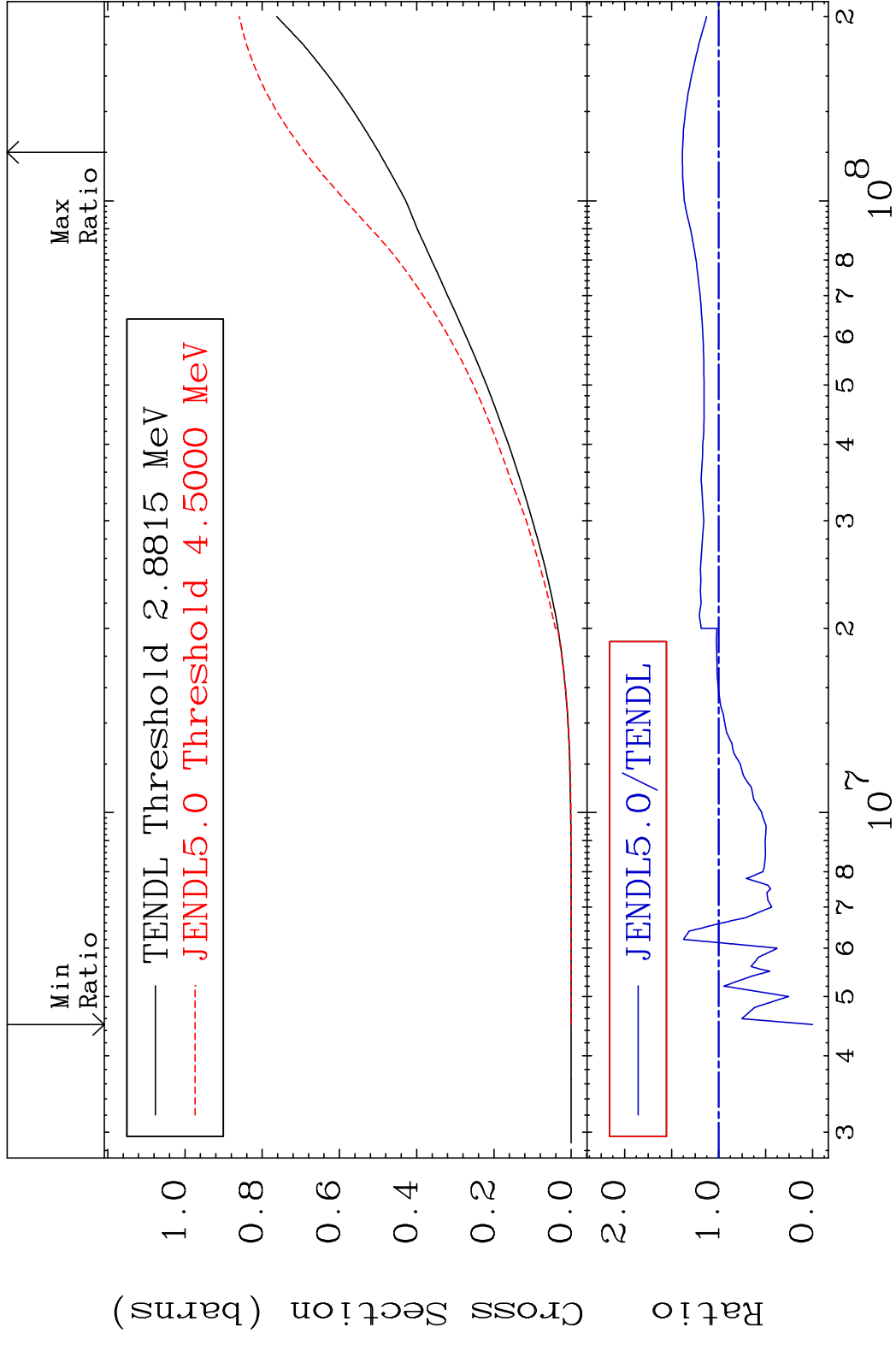


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Incident Energy (eV)

42-Mo-99

MAT 4246 Hydrogen Production 42-Mo-99  
 Cross Section -100.0 To 38.59 %



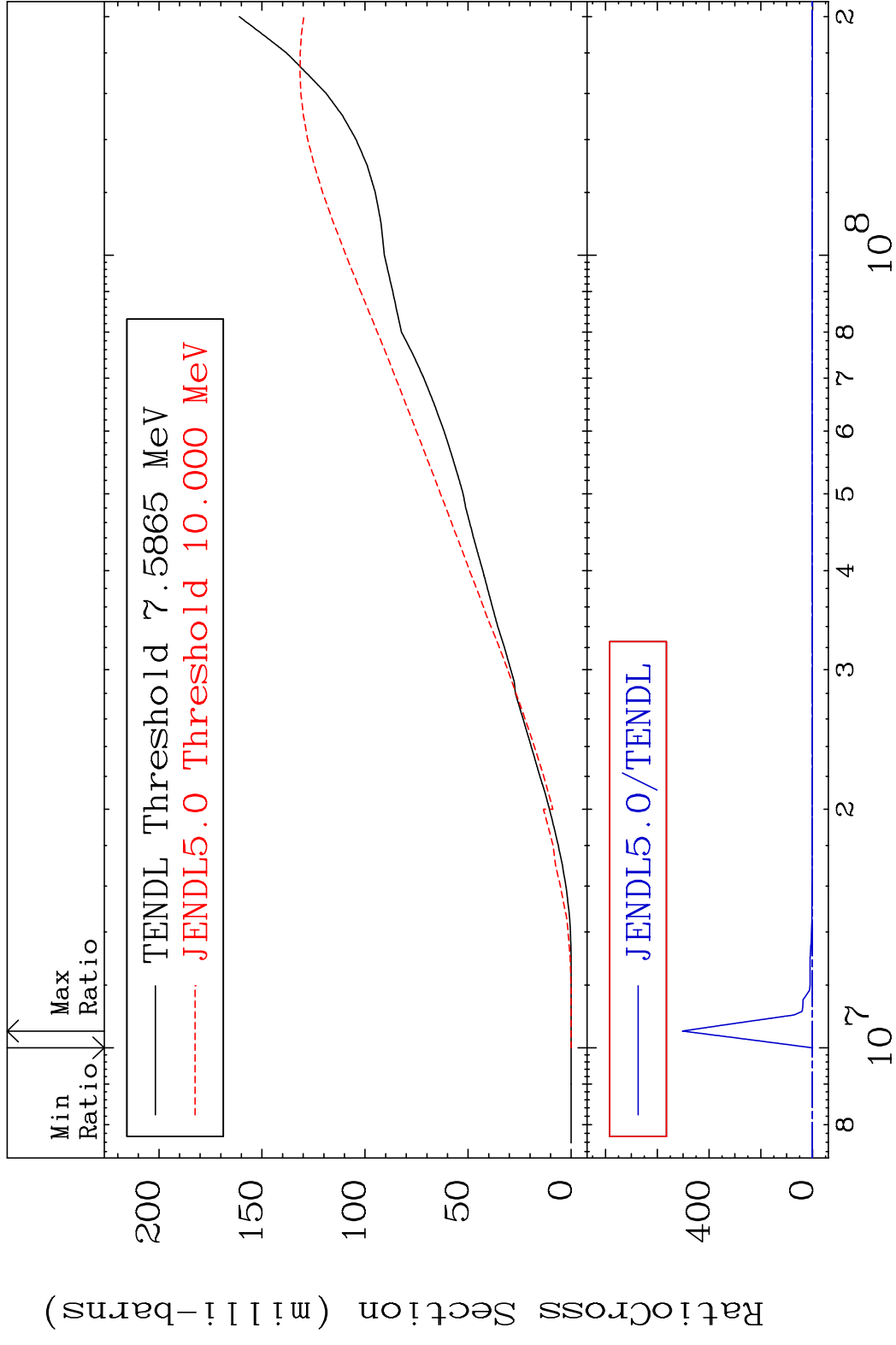


MAT 4246

Deuterium Production

42-Mo-99

Cross Section -100.0 To 9999. %



48

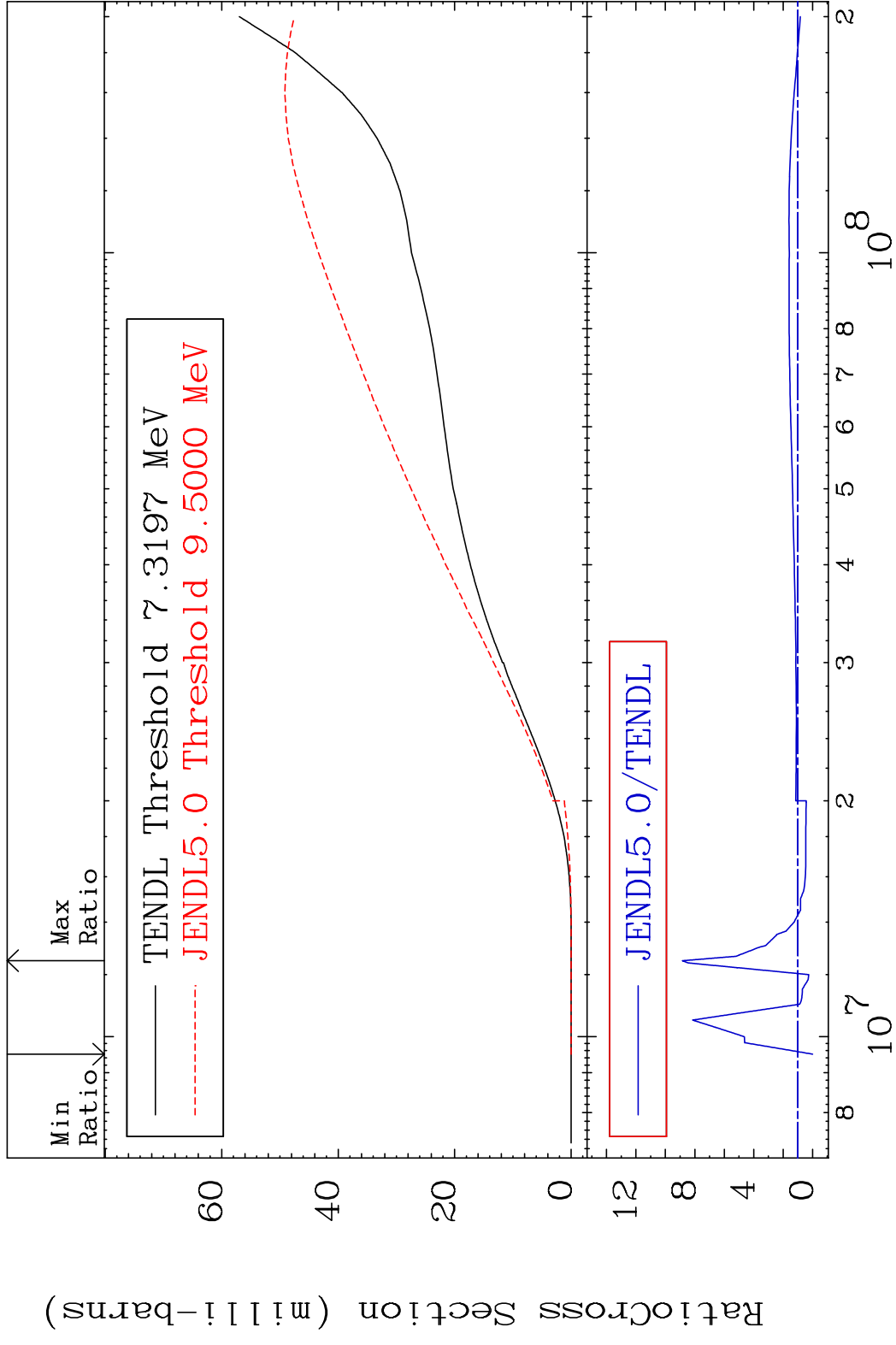
Incident Energy (eV)

42-Mo-99

MAT 4246

Tritium Production 42-Mo-99

Cross Section -100.0 To 784.7 %



49

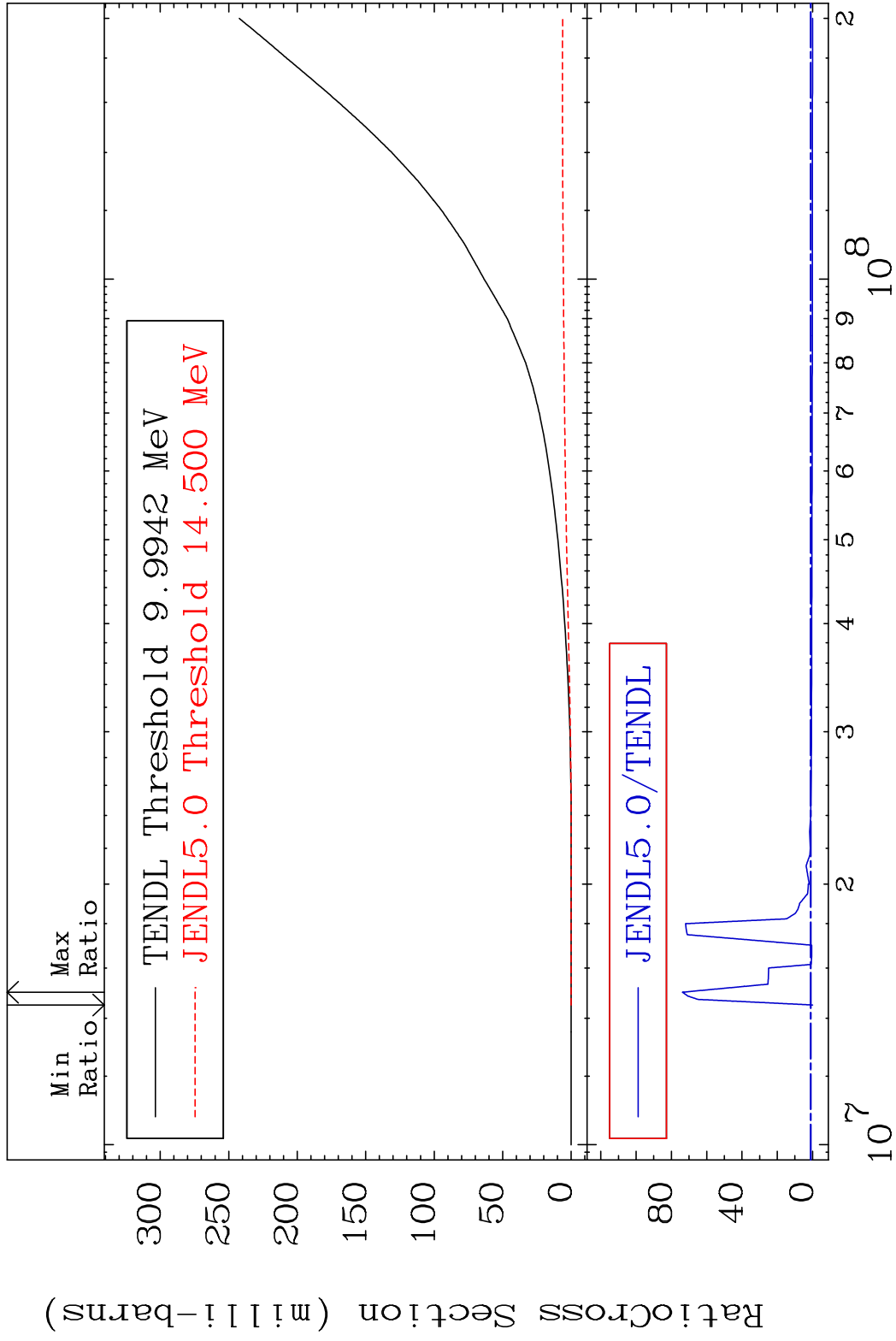
42-Mo-99

MAT 4246

He-3 Production

42-Mo-99

Cross Section -100.0 To 7280. %



50

Incident Energy (eV)

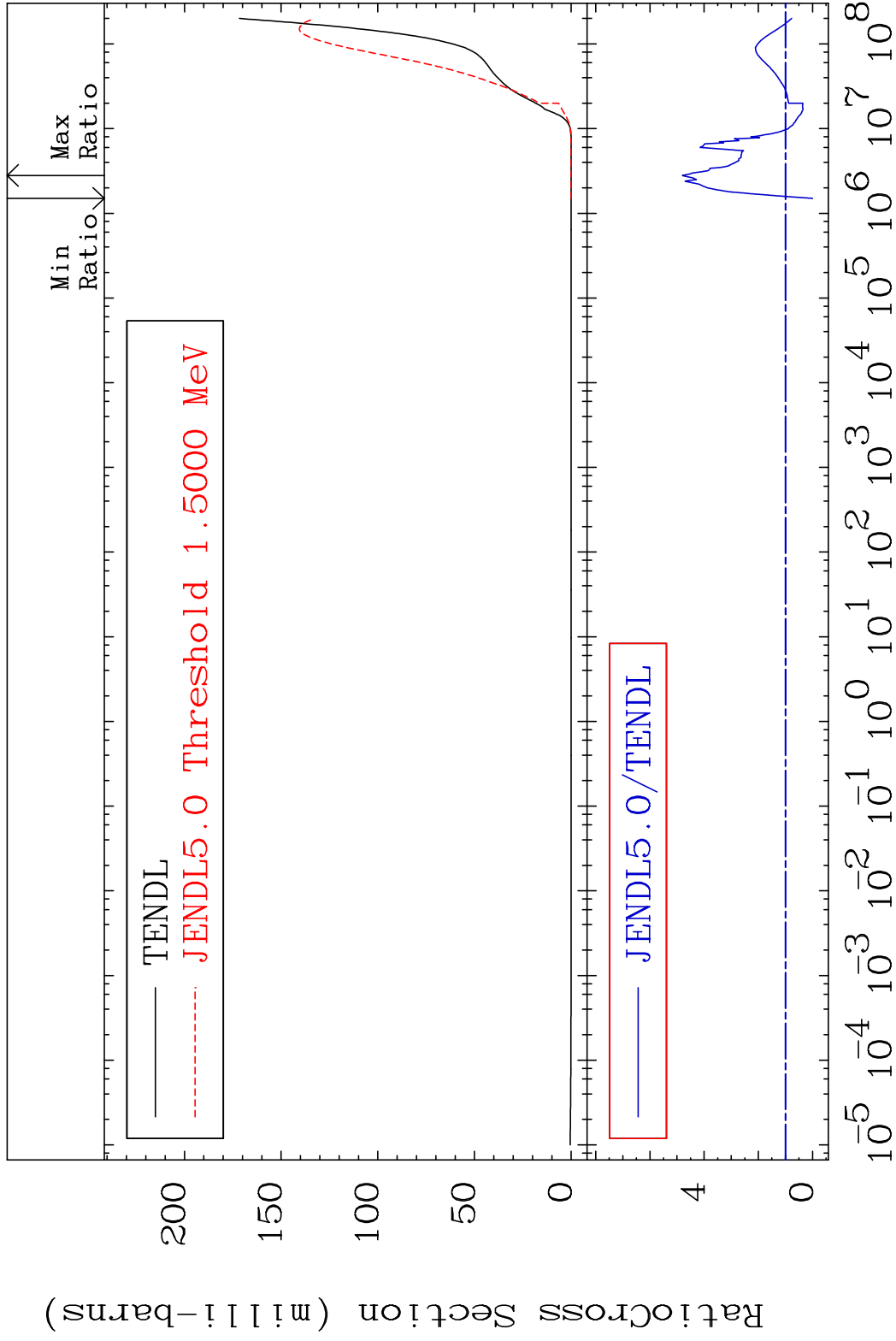
42-Mo-99

MAT 4246

He-4 Production

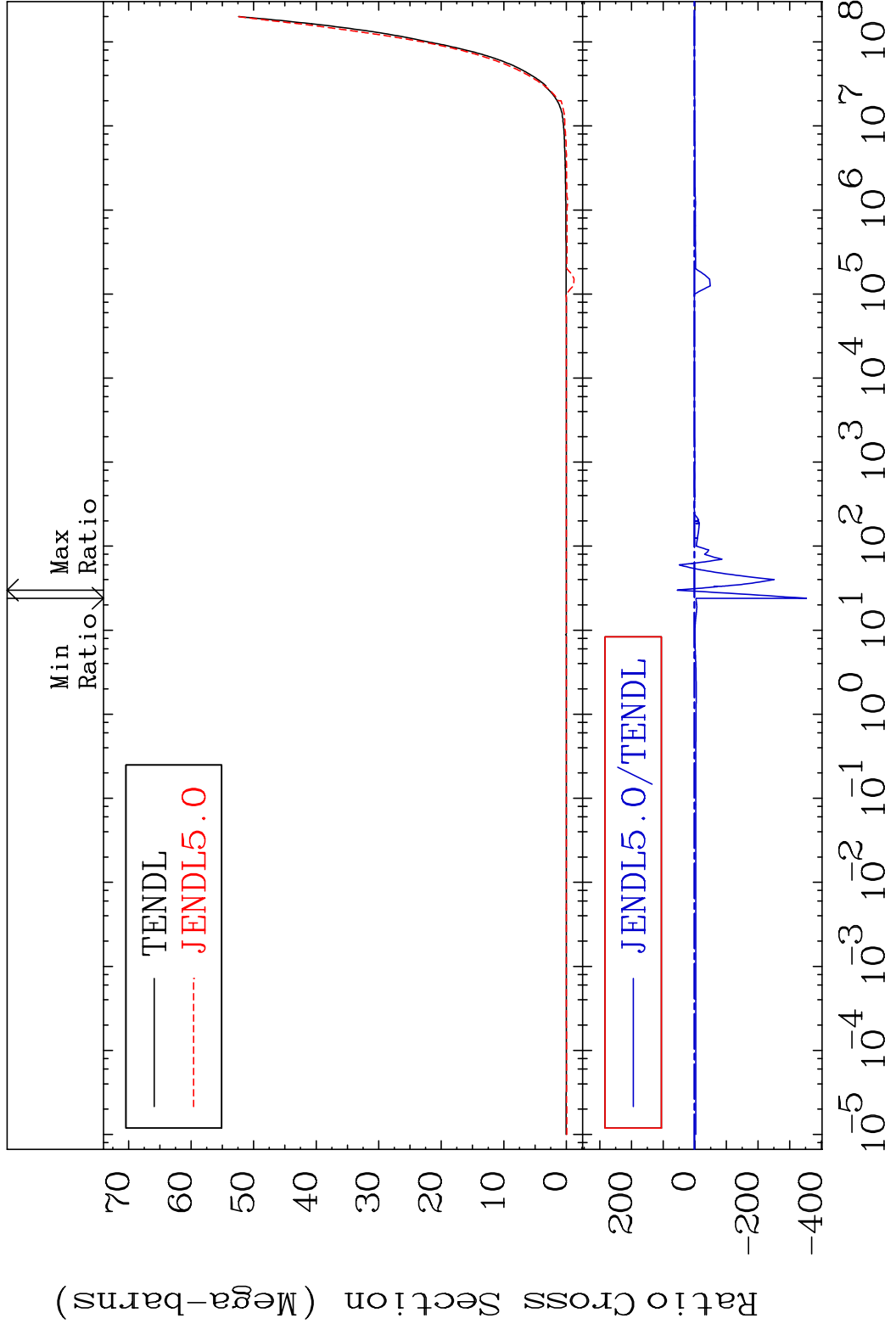
42-Mo-99

Cross Section -100.0 To 380.3 %



MAT 4246

Kerma total (eV-barns) 42-Mo-99  
Cross Section -9999. To 5474. %



52

Incident Energy (eV)

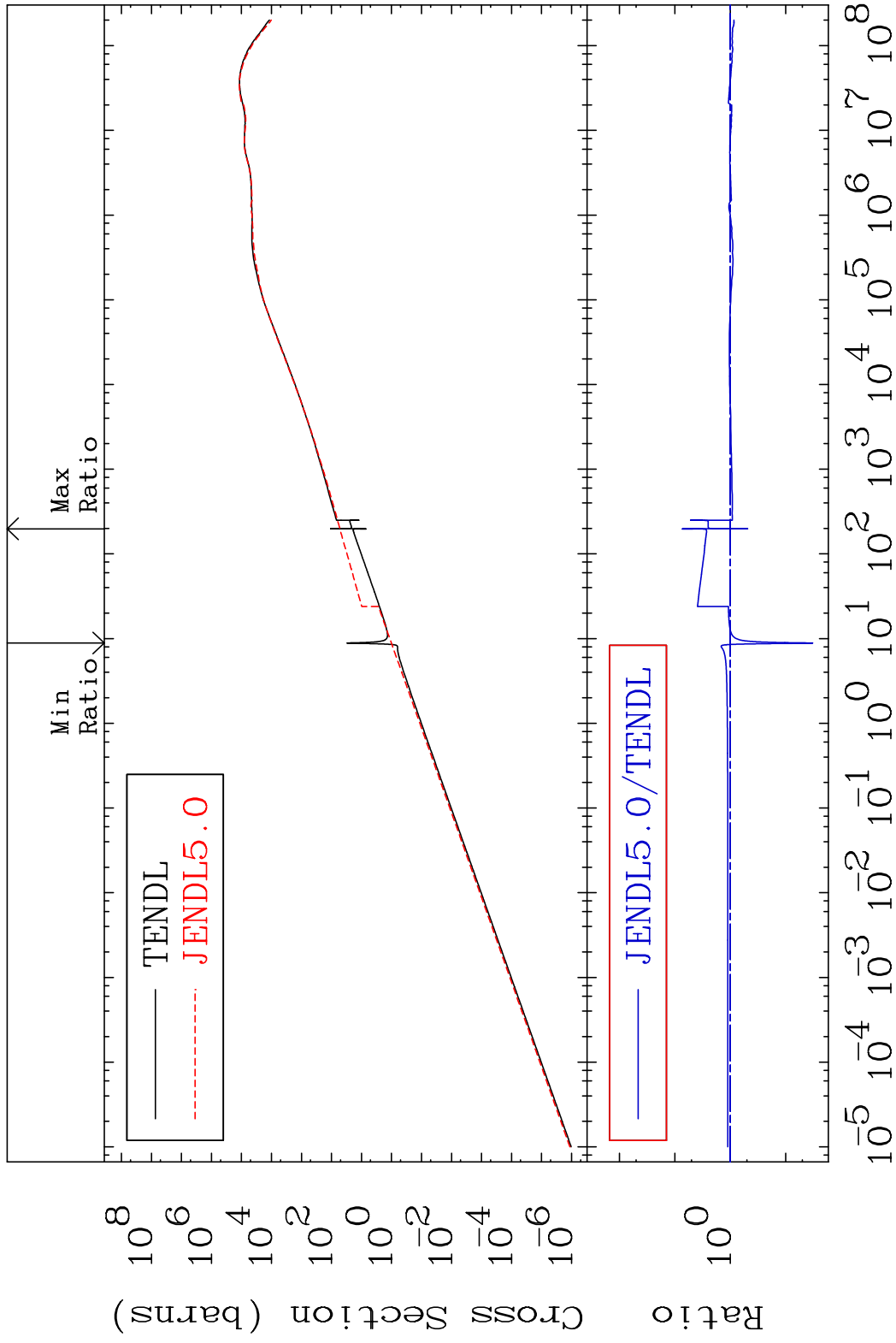
42-Mo-99

MAT 4246

Kerma elastic  
Cross Section

42-Mo-99

-96.74 To 631.5 %

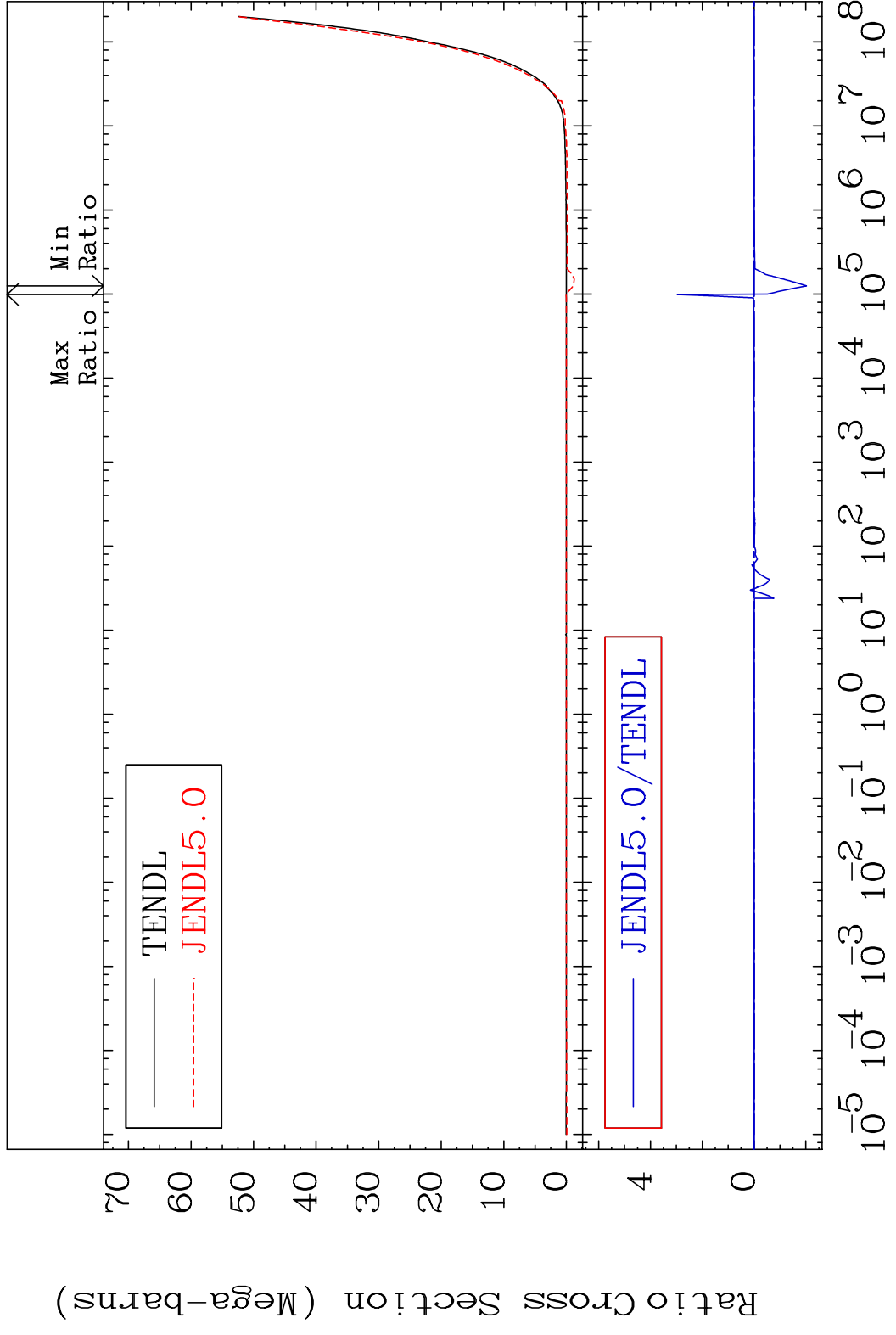


53

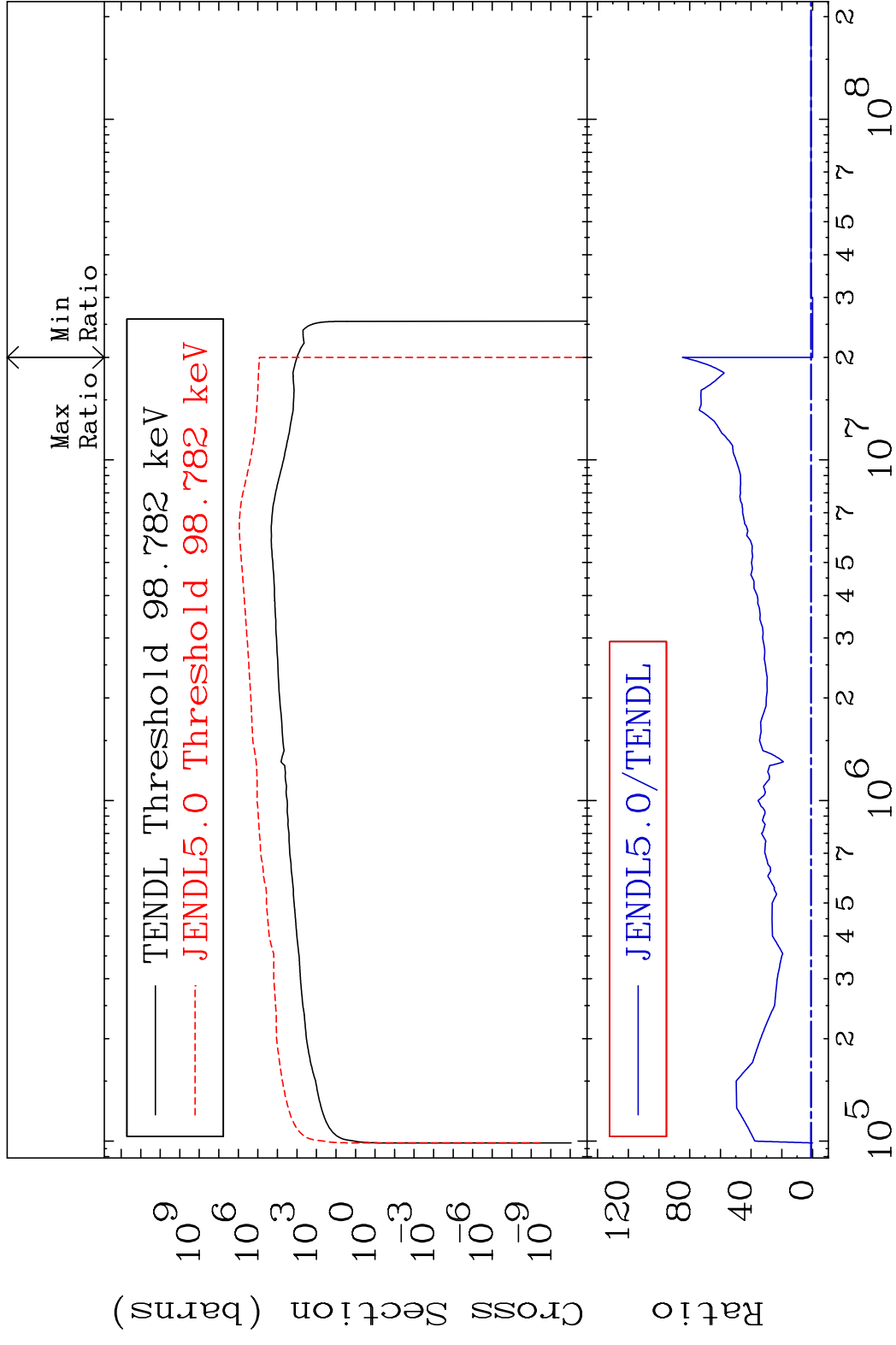
Incident Energy (eV)

42-Mo-99

MAT 4246 Kerma non-elastic (all but mt2) 42-Mo-99  
 Cross Section -9999. To 9999. %



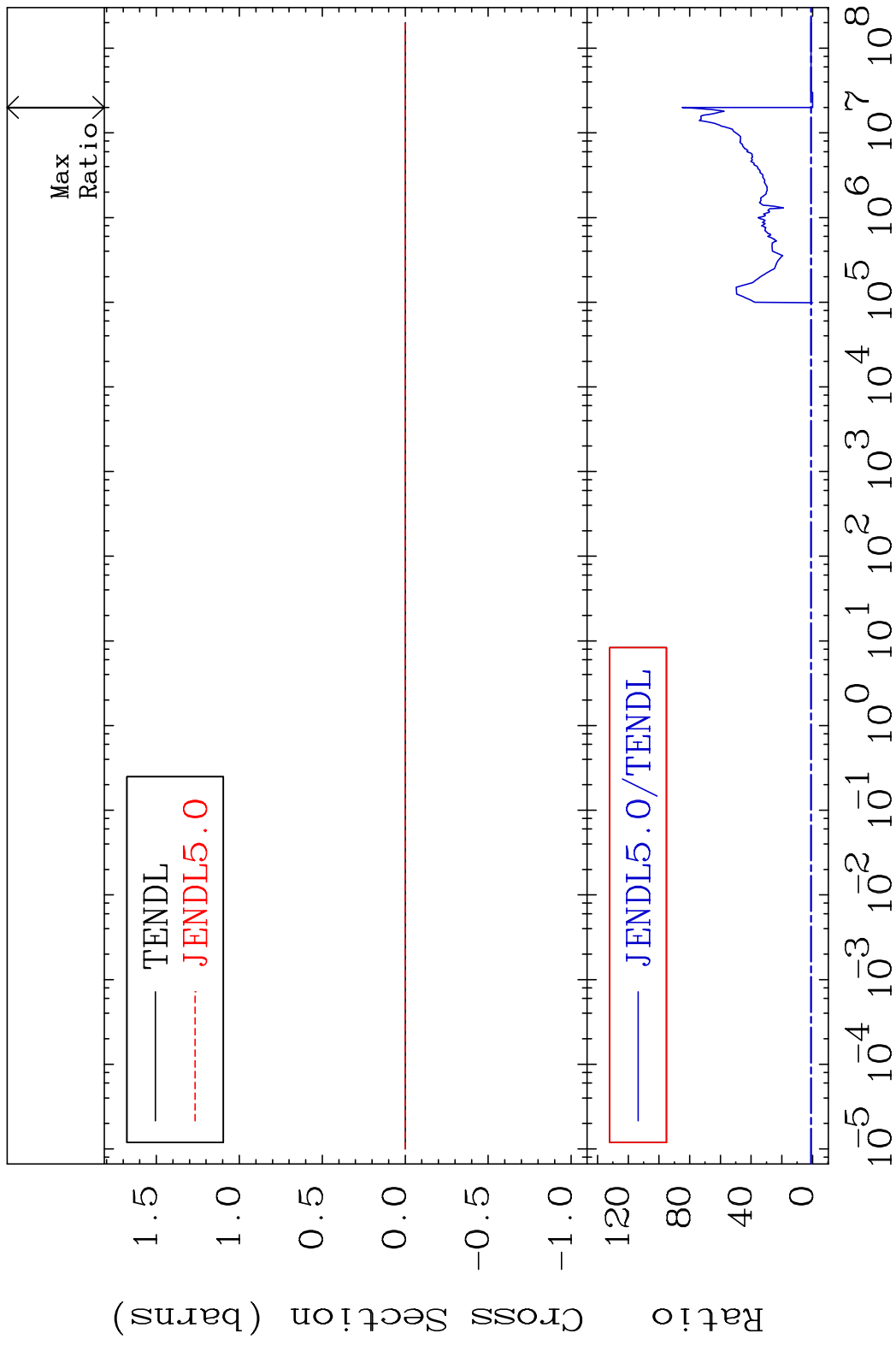
MAT 4246 Kerma inelastic (mt51-91) 42-Mo-99  
 Cross Section -100.0 To 8379. %



55 Incident Energy (eV) 42-Mo-99

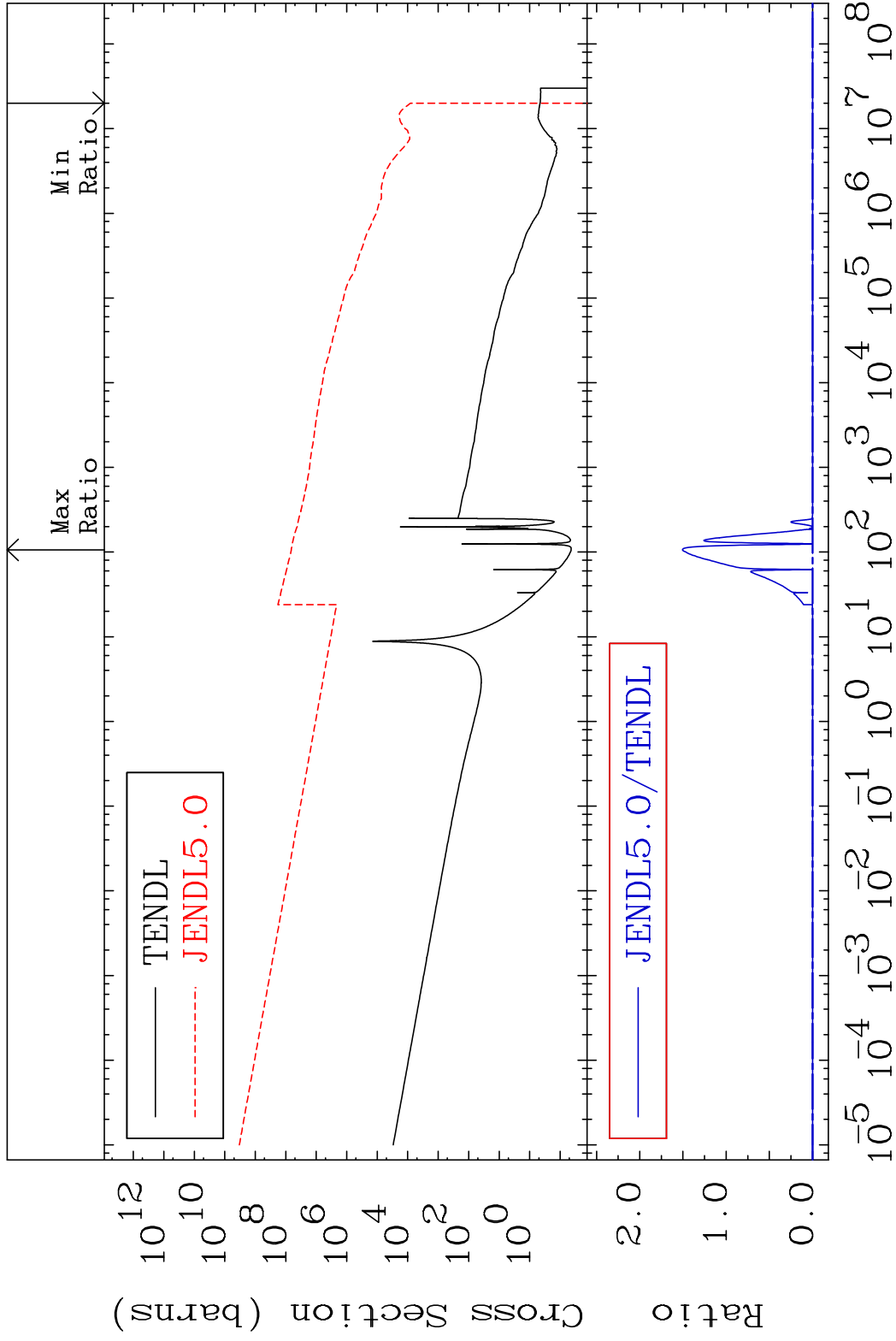


MAT 4246 Kerma fission (mt18 or mt19-20-21-38) 42-Mo-99  
 Cross Section -100.0 To 8379. %



MAT 4246

Kerma capture (mt102) 42-Mo-99  
Cross Section -100.0 To 9999. %

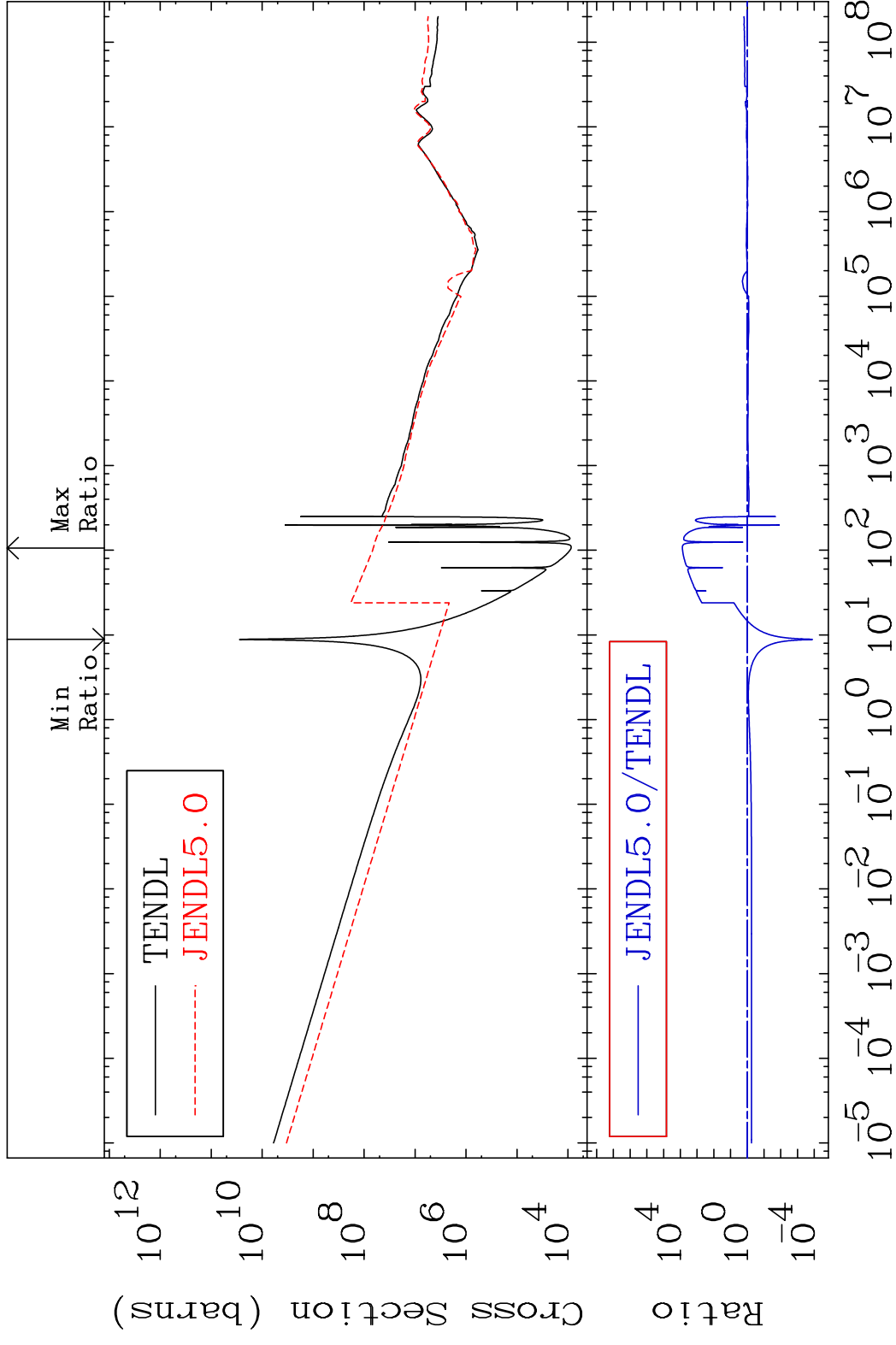


57

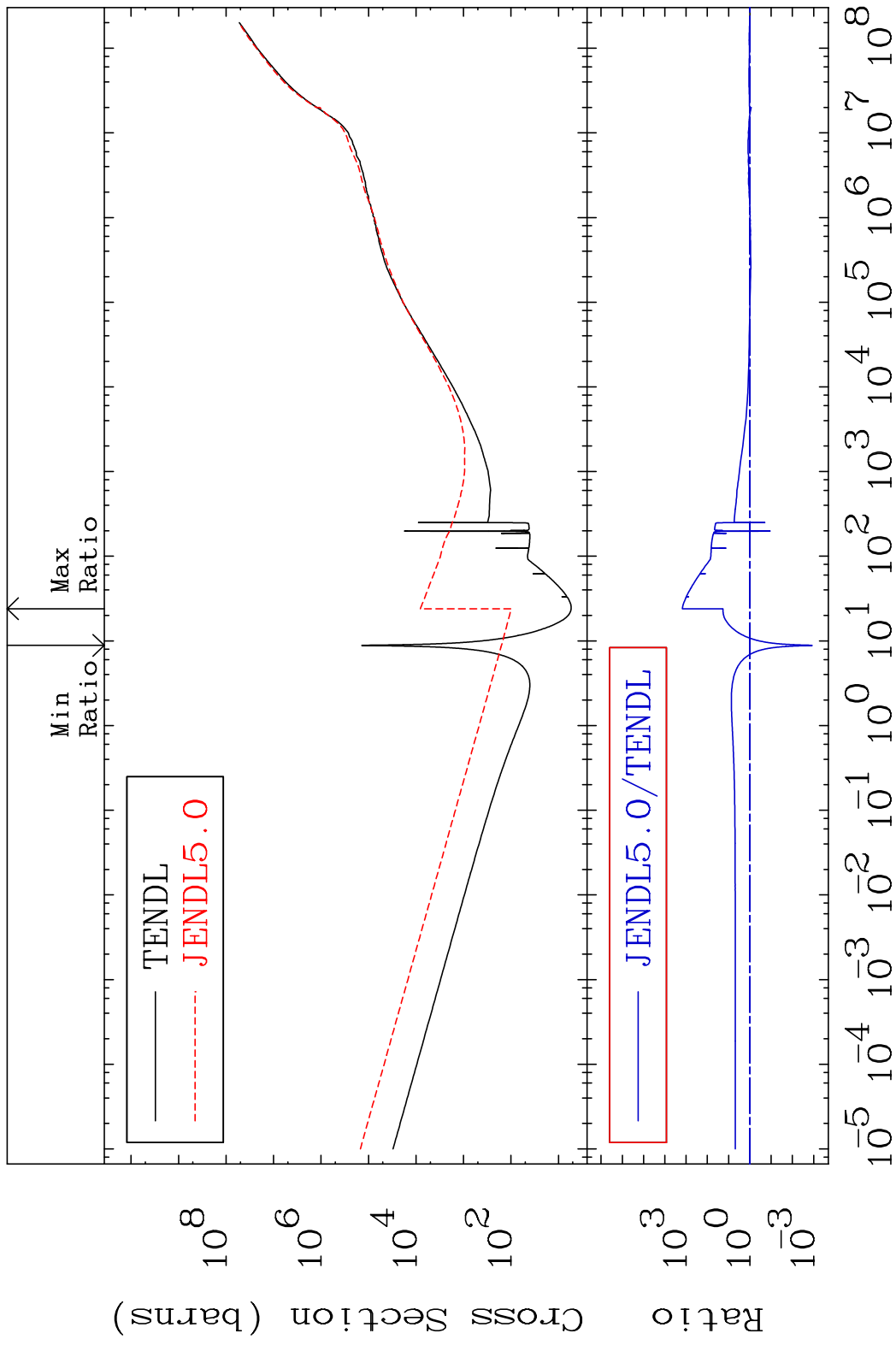
Incident Energy (eV)

42-Mo-99

MAT 4246 Total photon (eV-barns) 42-Mo-99  
 Cross Section -99.99 To 9999. %



MAT 4246 Total kinematic kerma (high limit) 42-Mo-99  
 Cross Section -99.89 To 9999. %

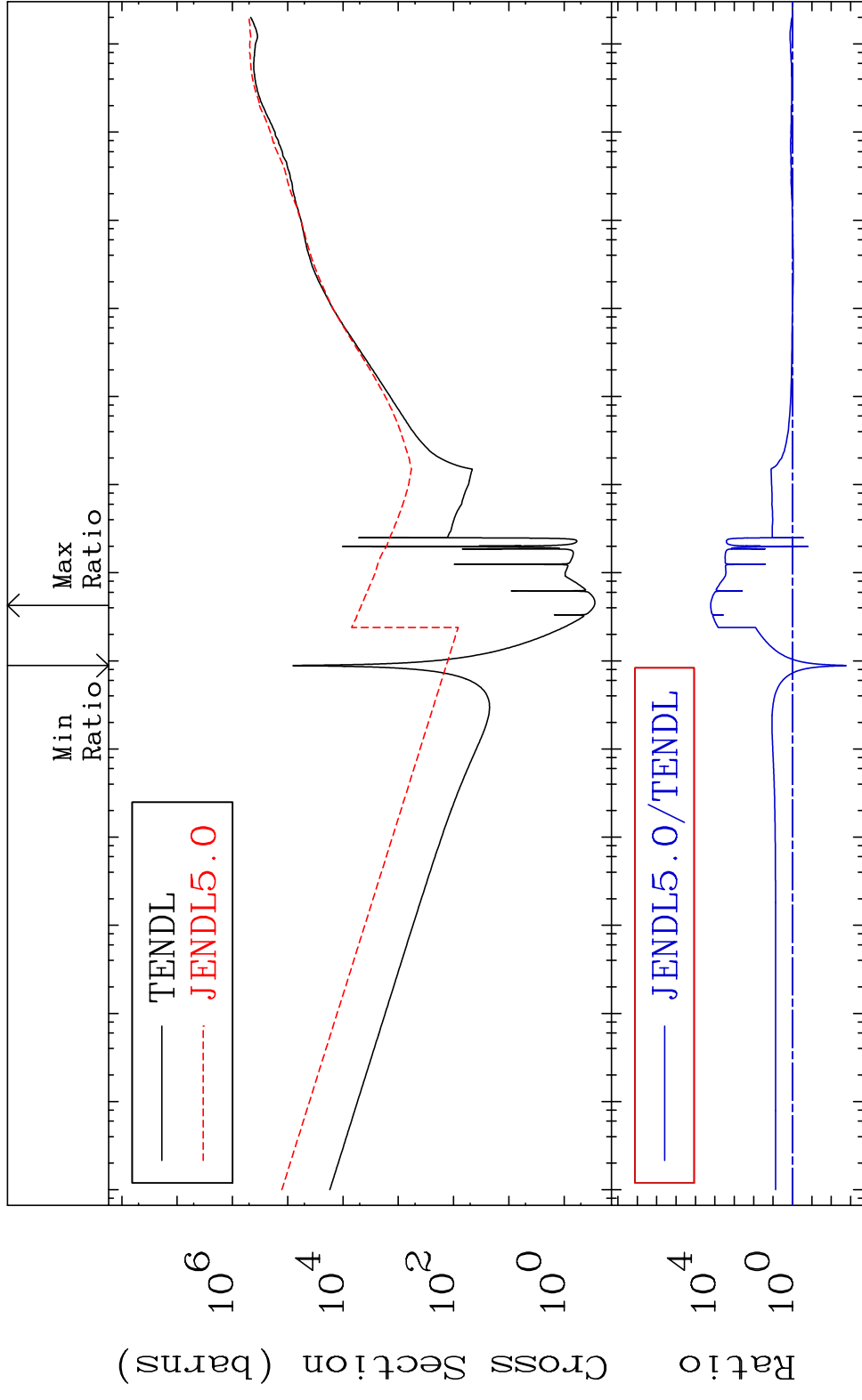


MAT 4246

Dpa total (eV-barns)

42-Mo-99

Cross Section -99.83 To 9999. %



60

Incident Energy (eV)

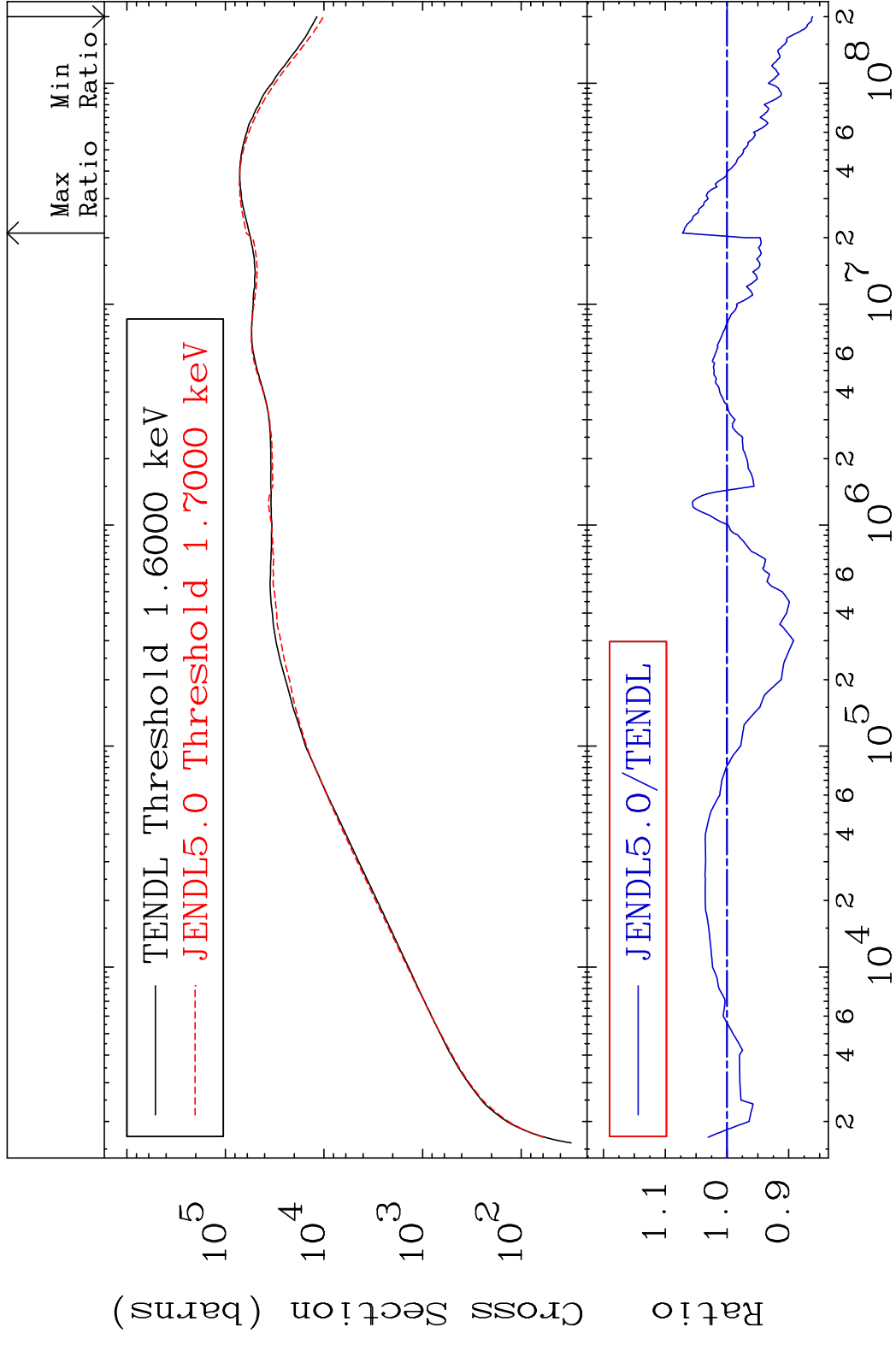
42-Mo-99

MAT 4246

Dpa elastic (mt2)

42-Mo-99

Cross Section -13.85 To 7.232 %

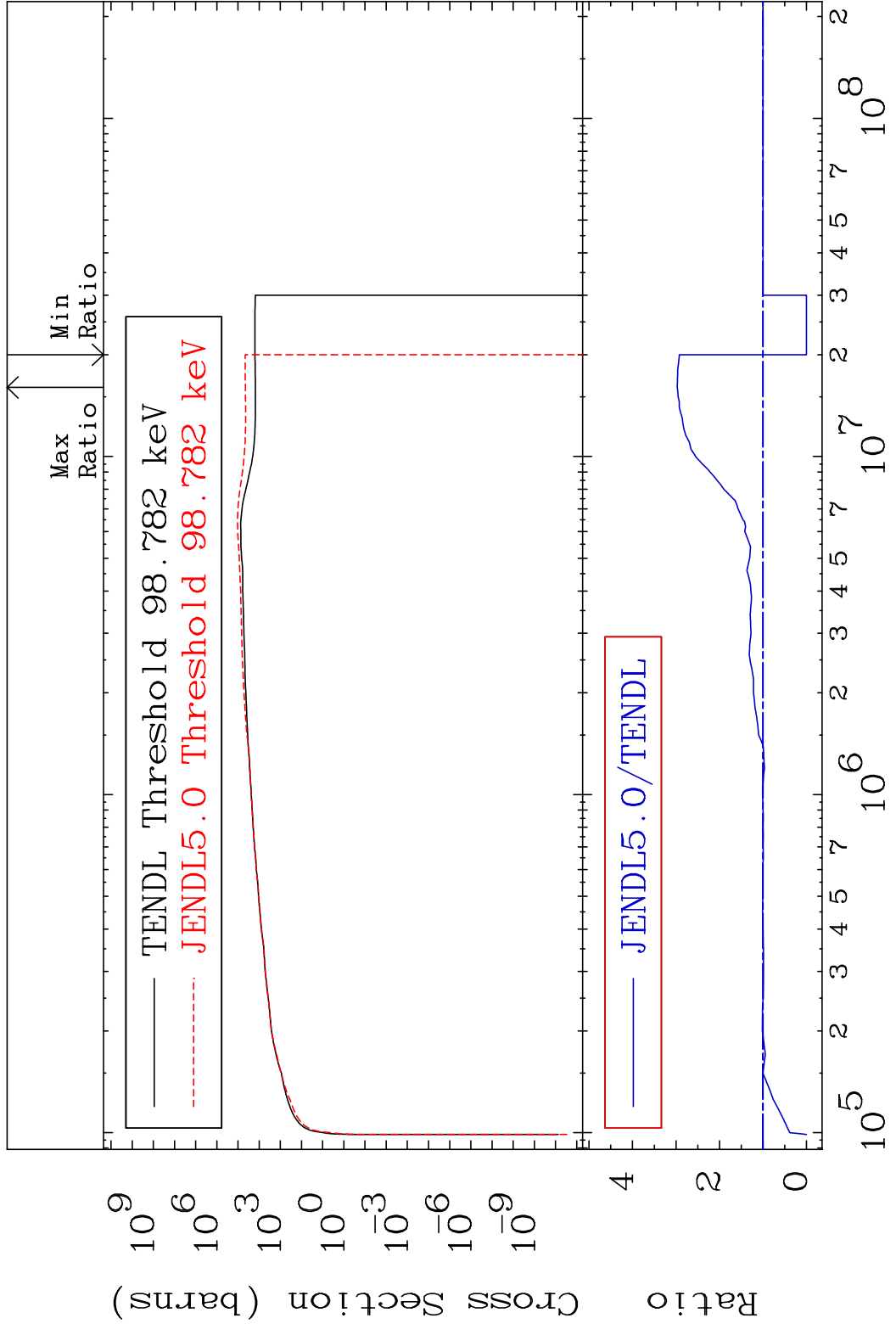


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Incident Energy (eV)

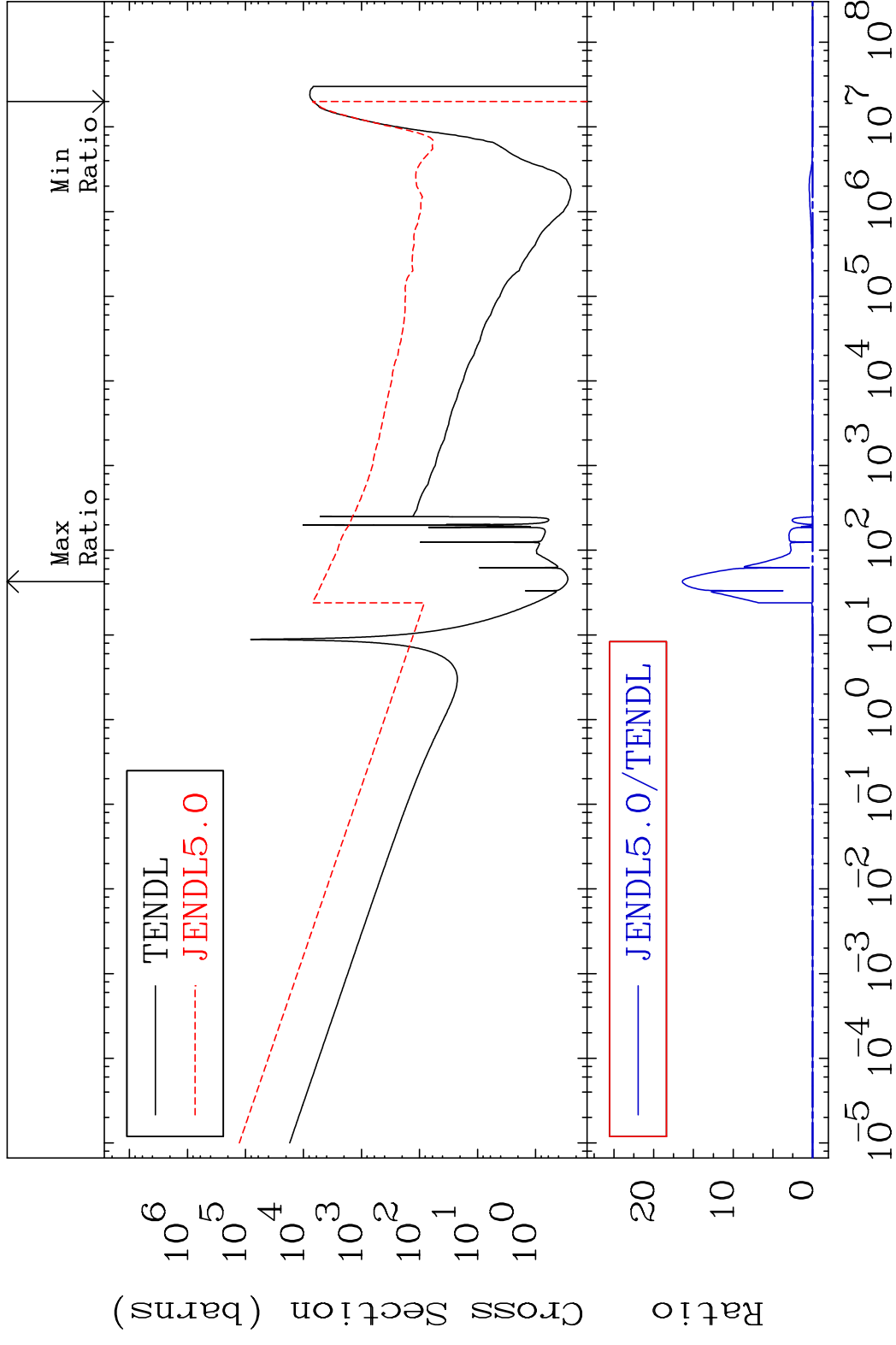
42-Mo-99

MAT 4246      Dpa inelastic (mt51-91)      42-Mo-99  
 Cross Section      -100.0 To 197.2 %

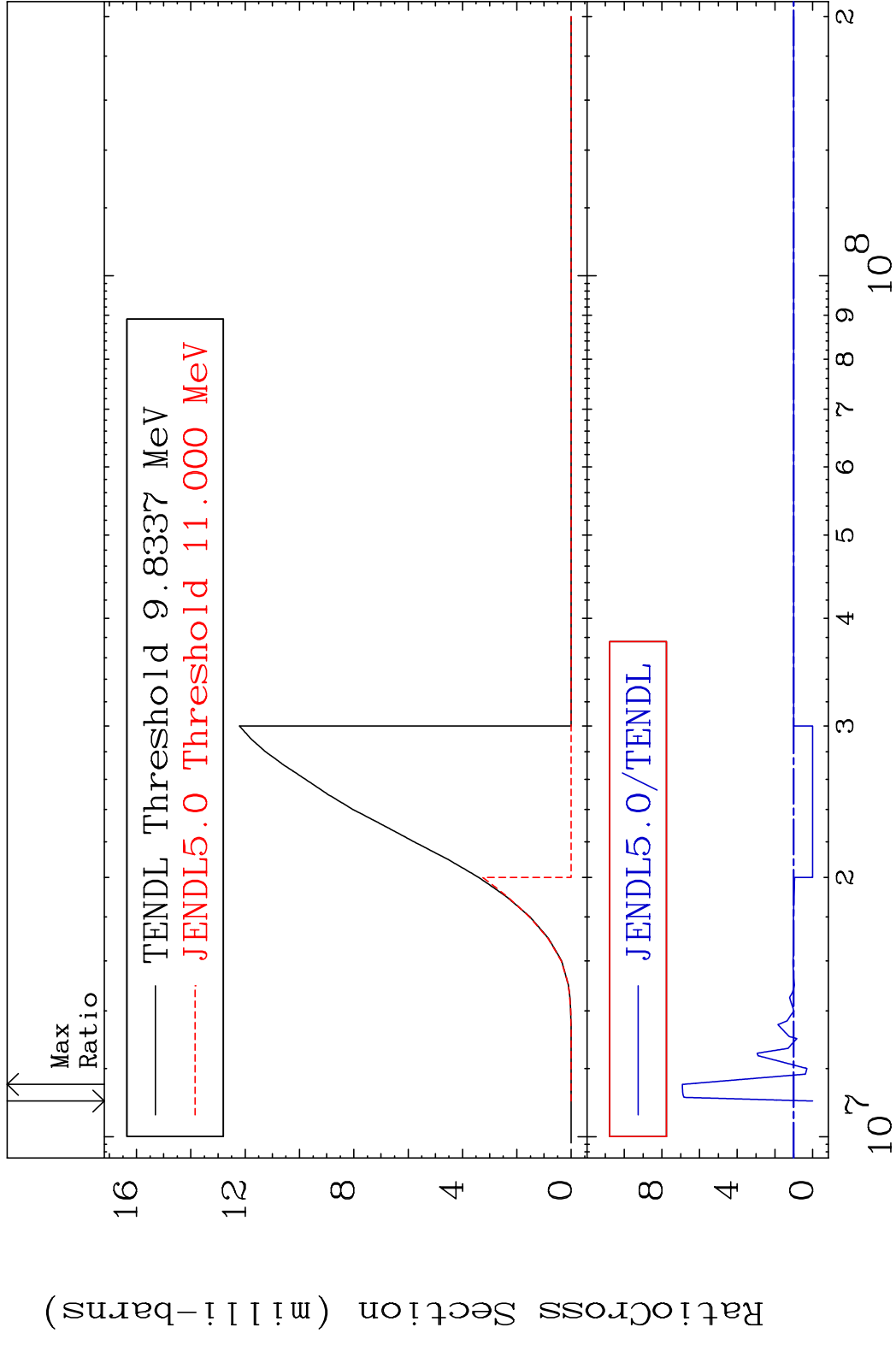


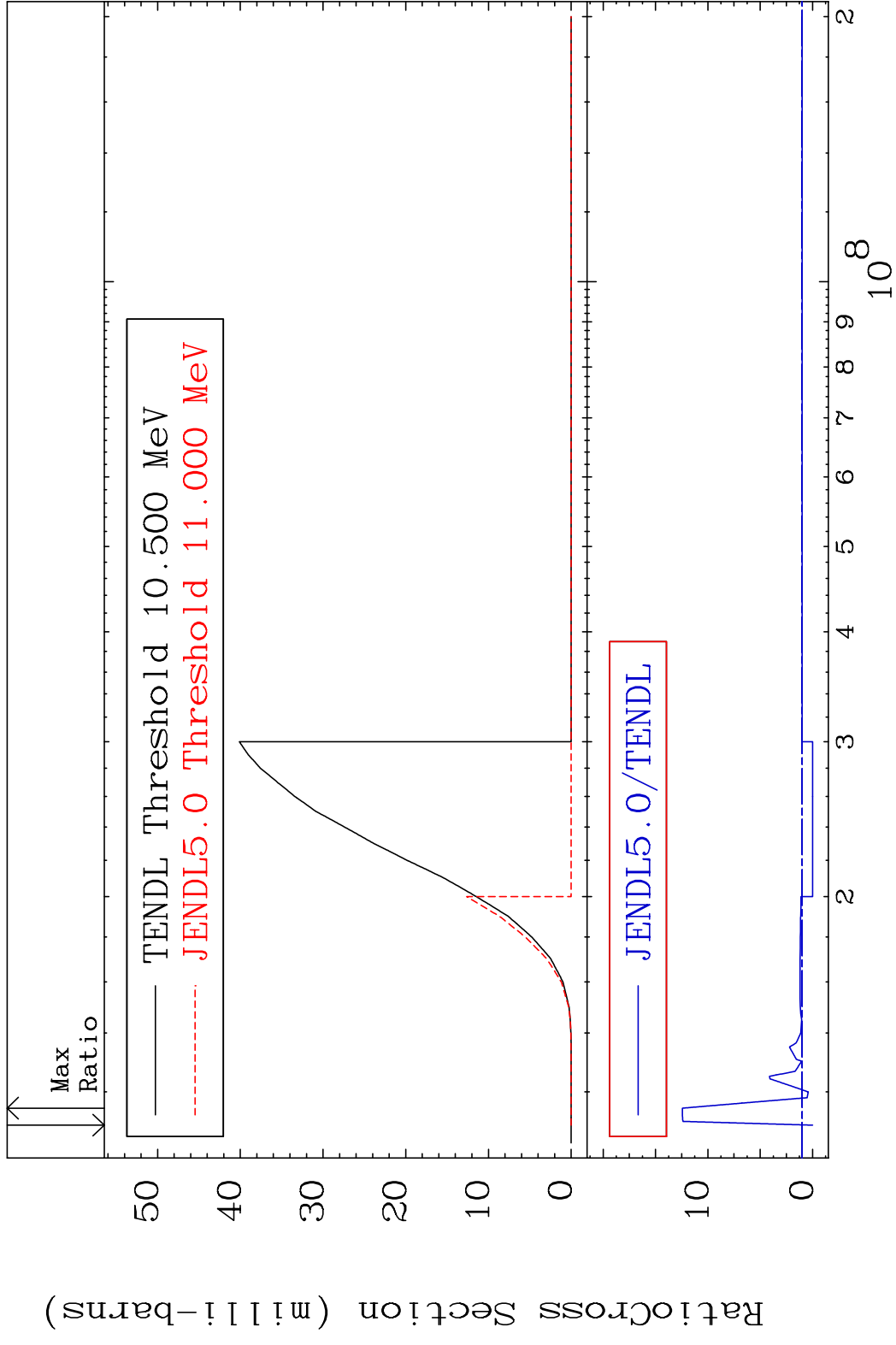
62      Incident Energy (eV)      42-Mo-99

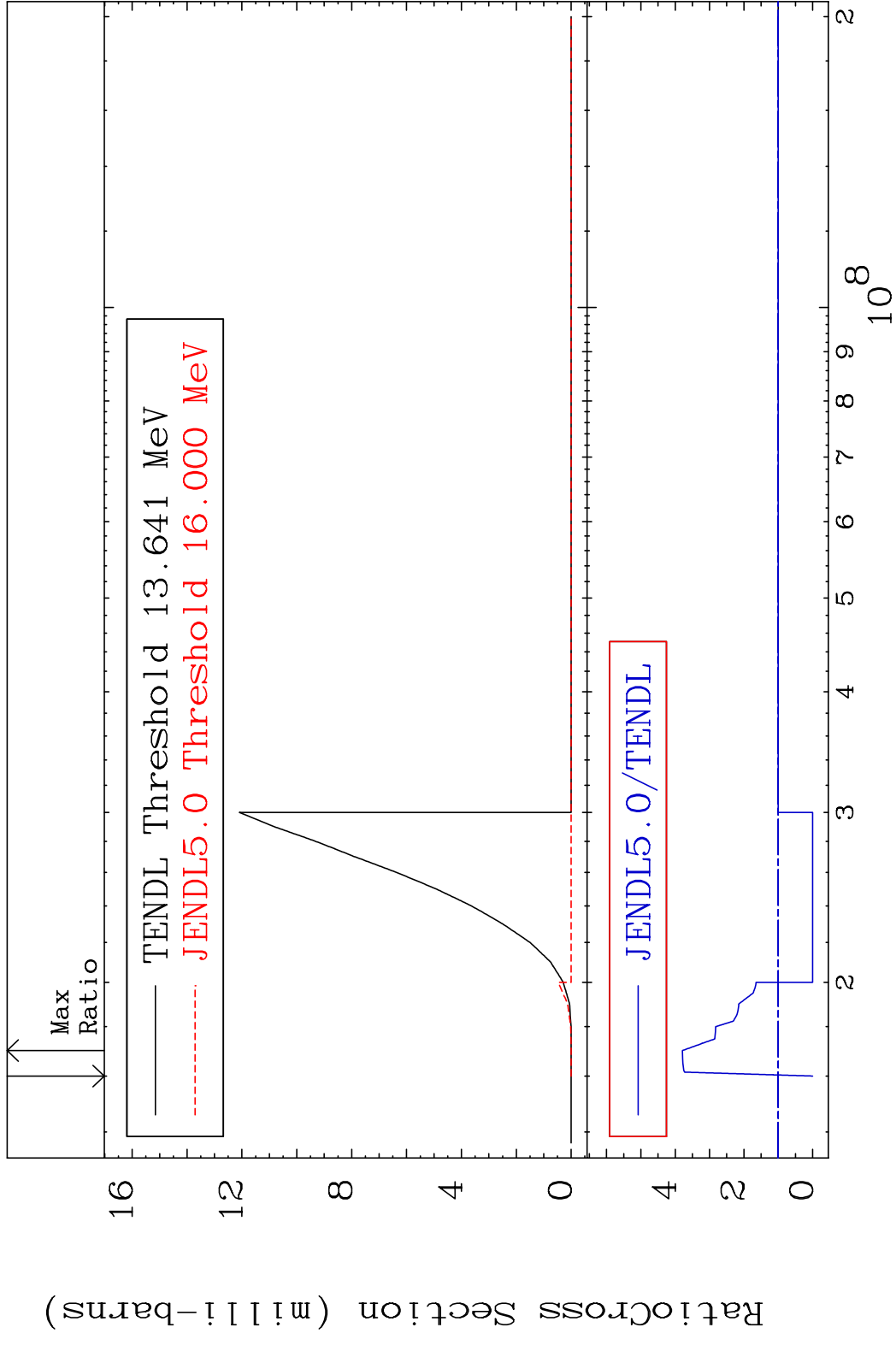
MAT 4246 Dpa disappearance (mt102 -120) 42-Mo-99  
 Cross Section -100.0 To 9999. %

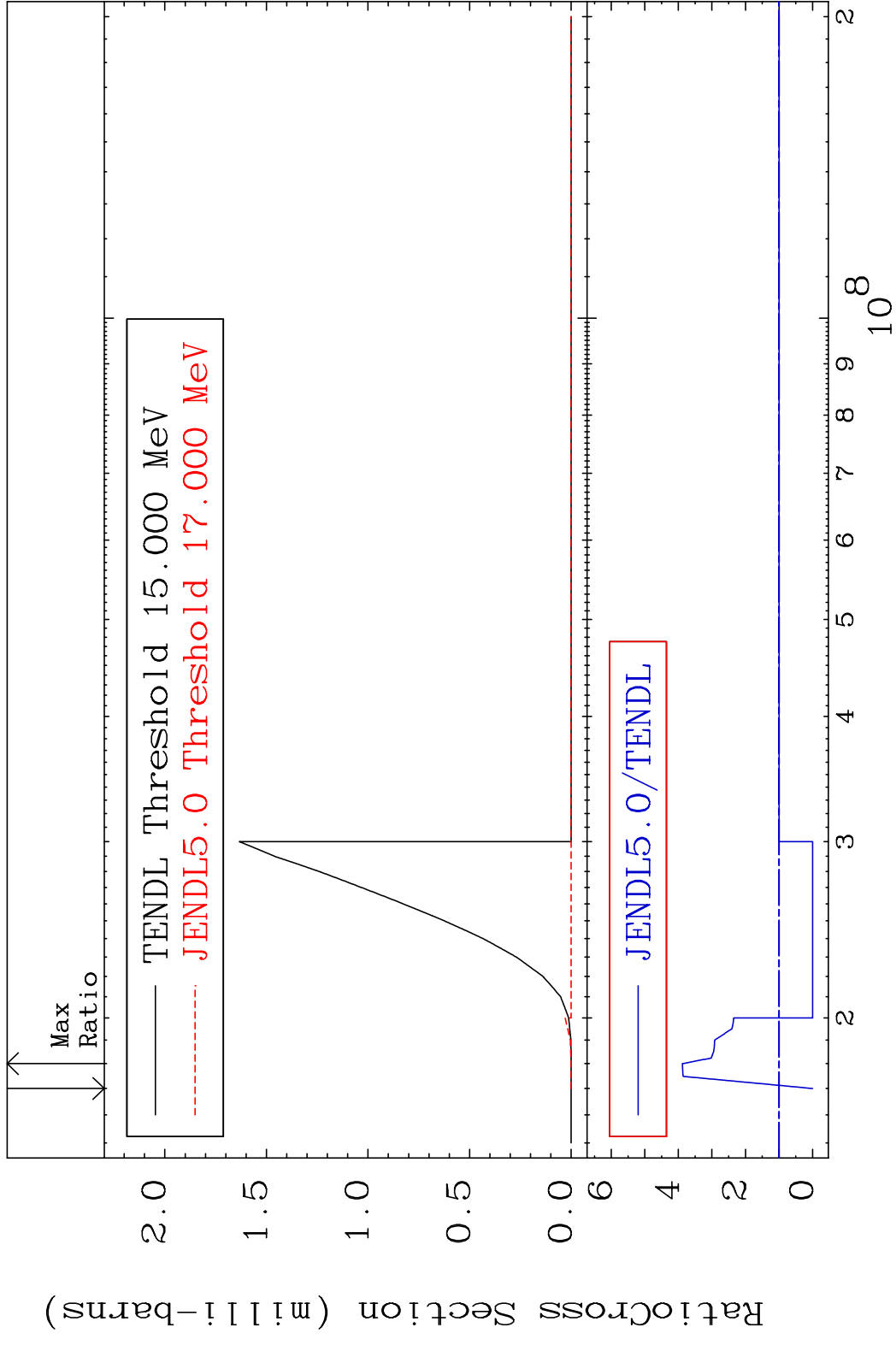


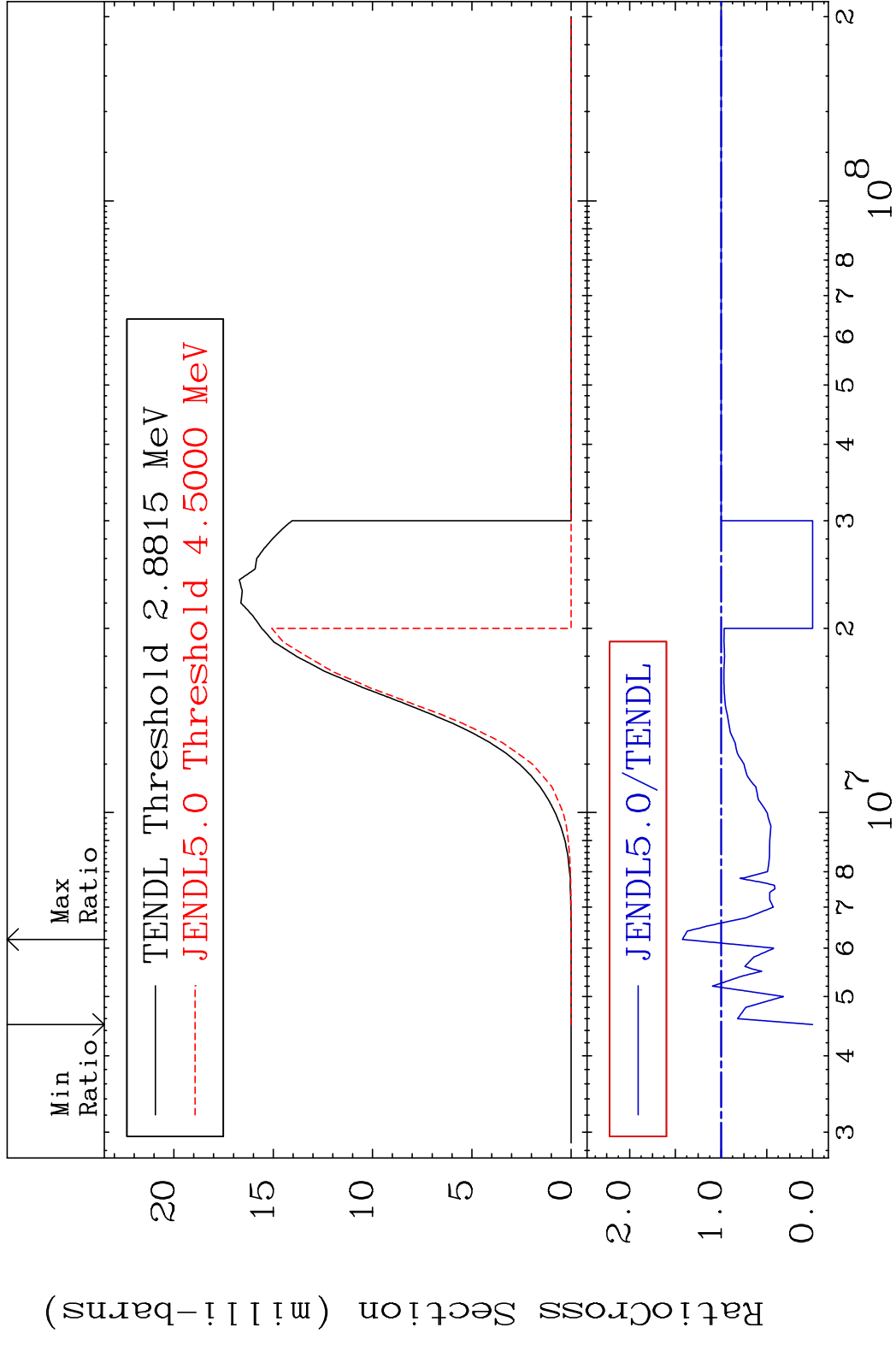


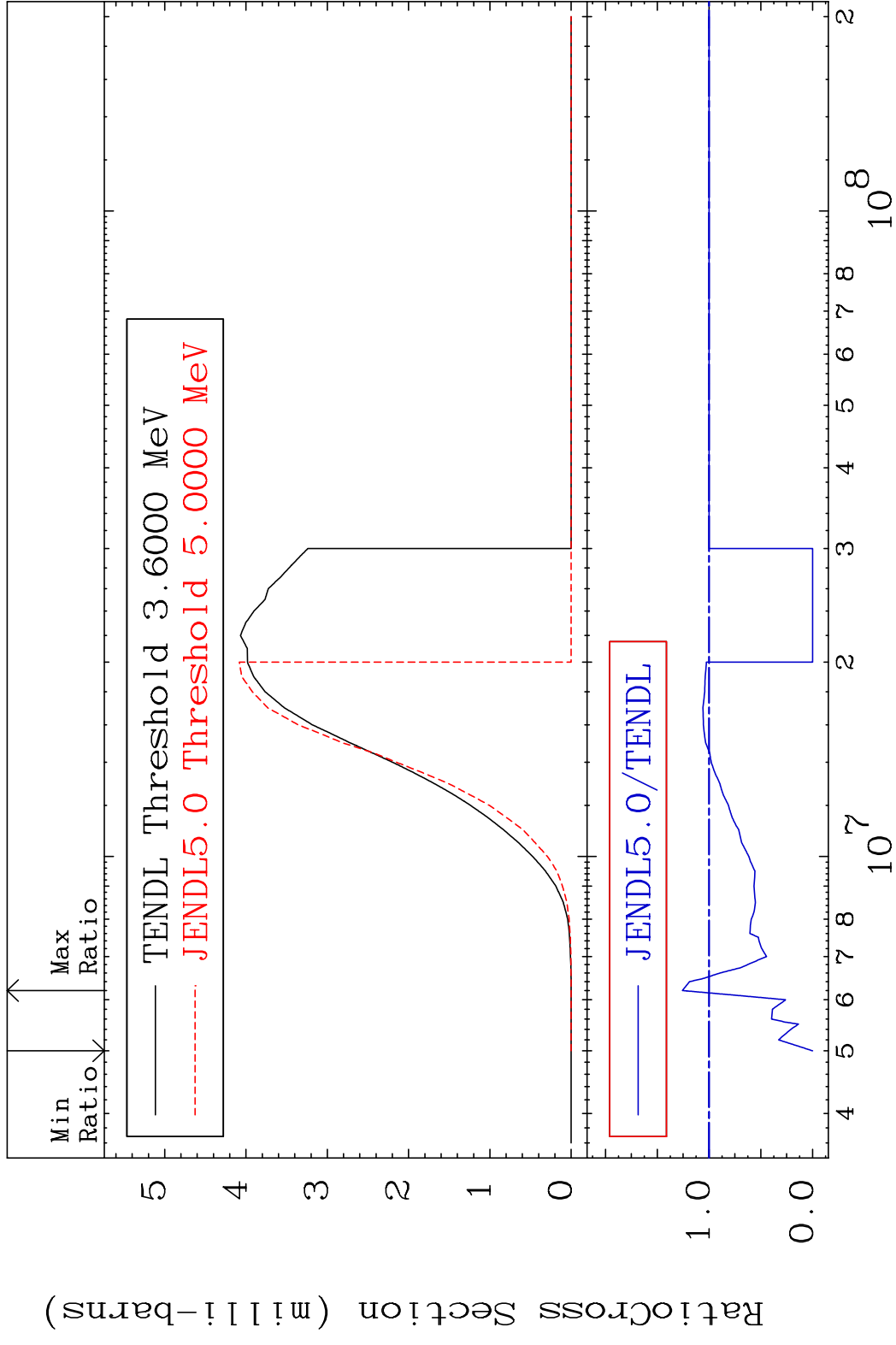




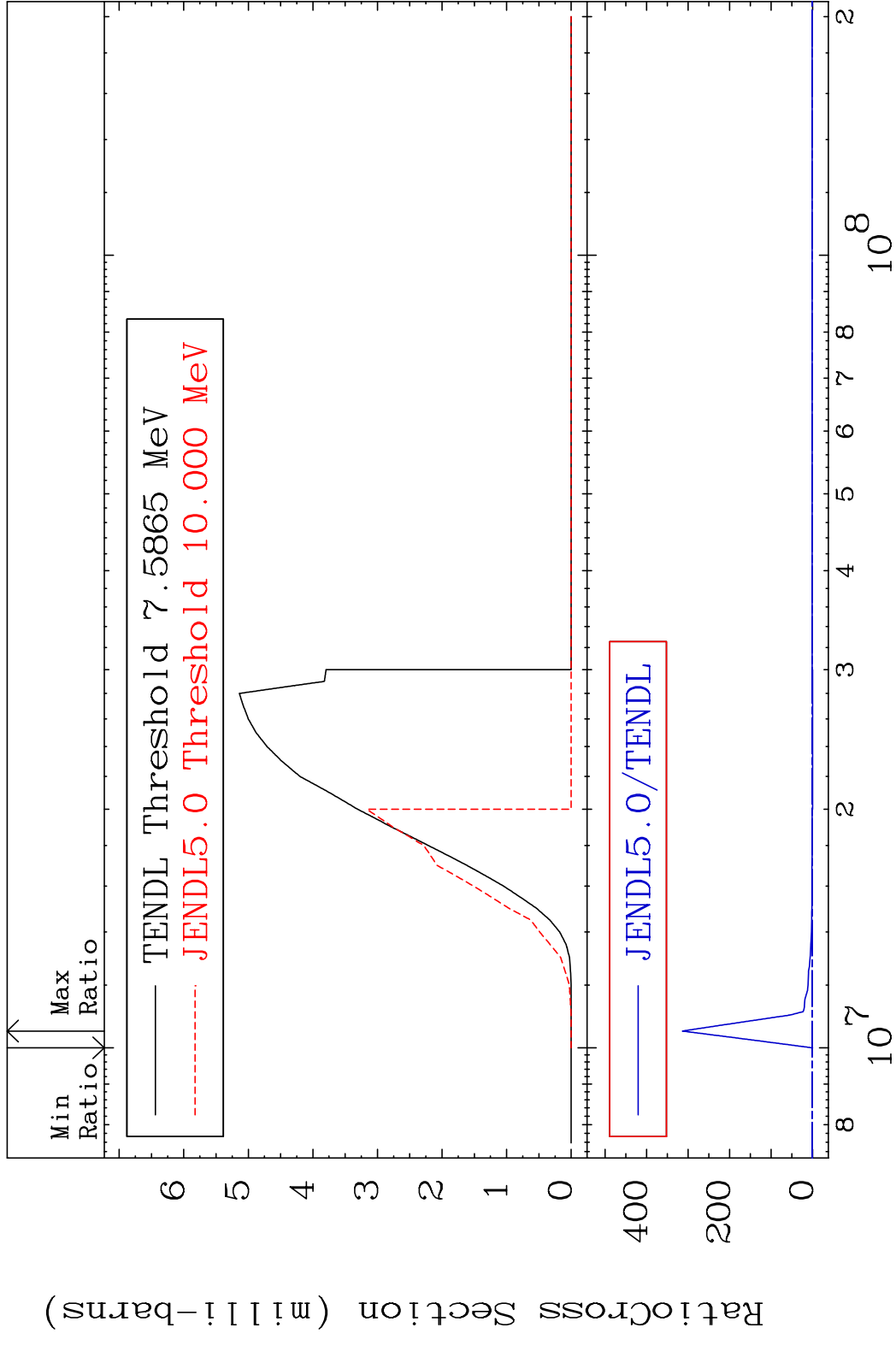








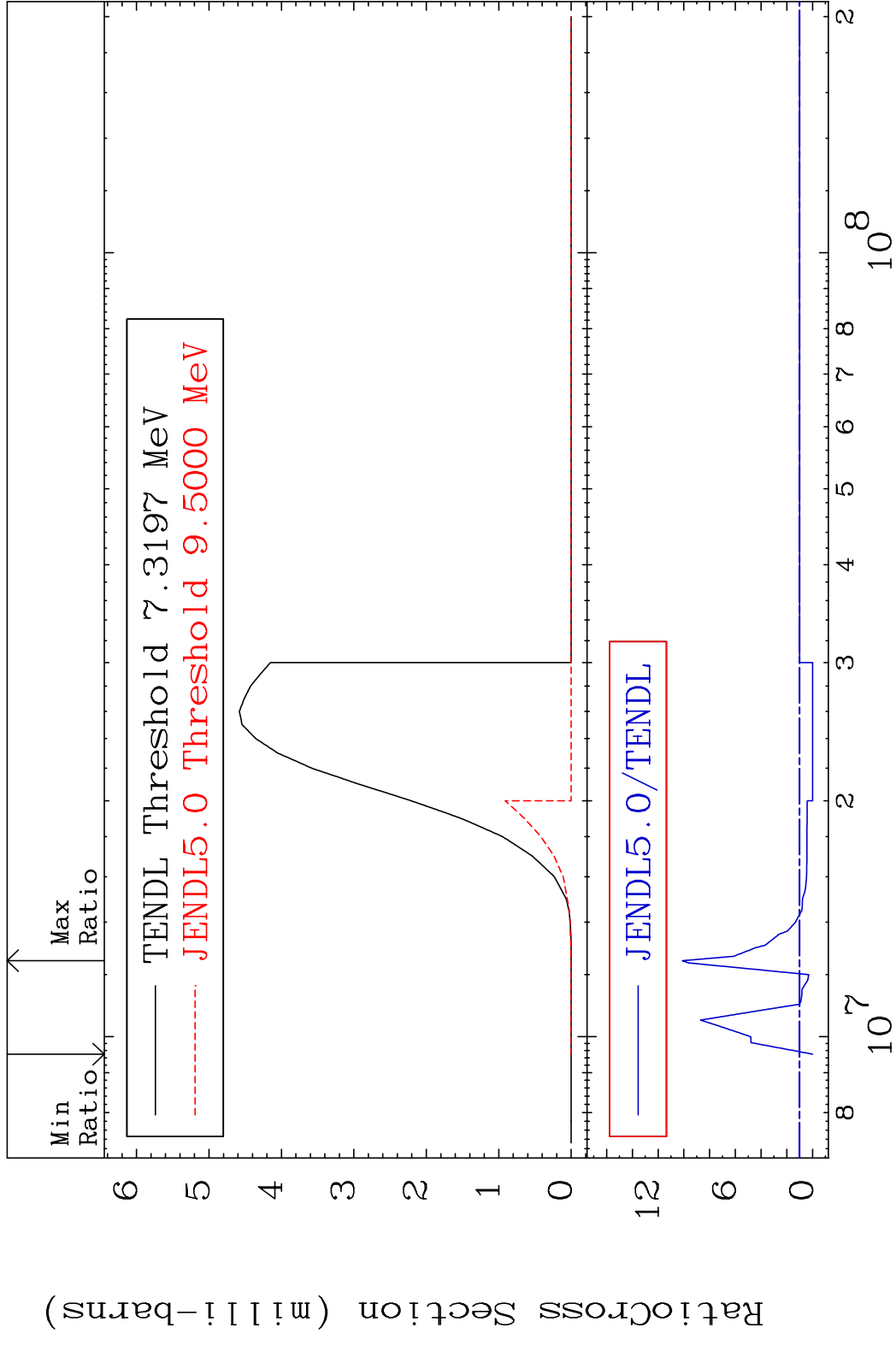
MAT 4246 (n, d): 41-Nb-98g 42-Mo-99  
 Radionuclide Production Cross Section (%)



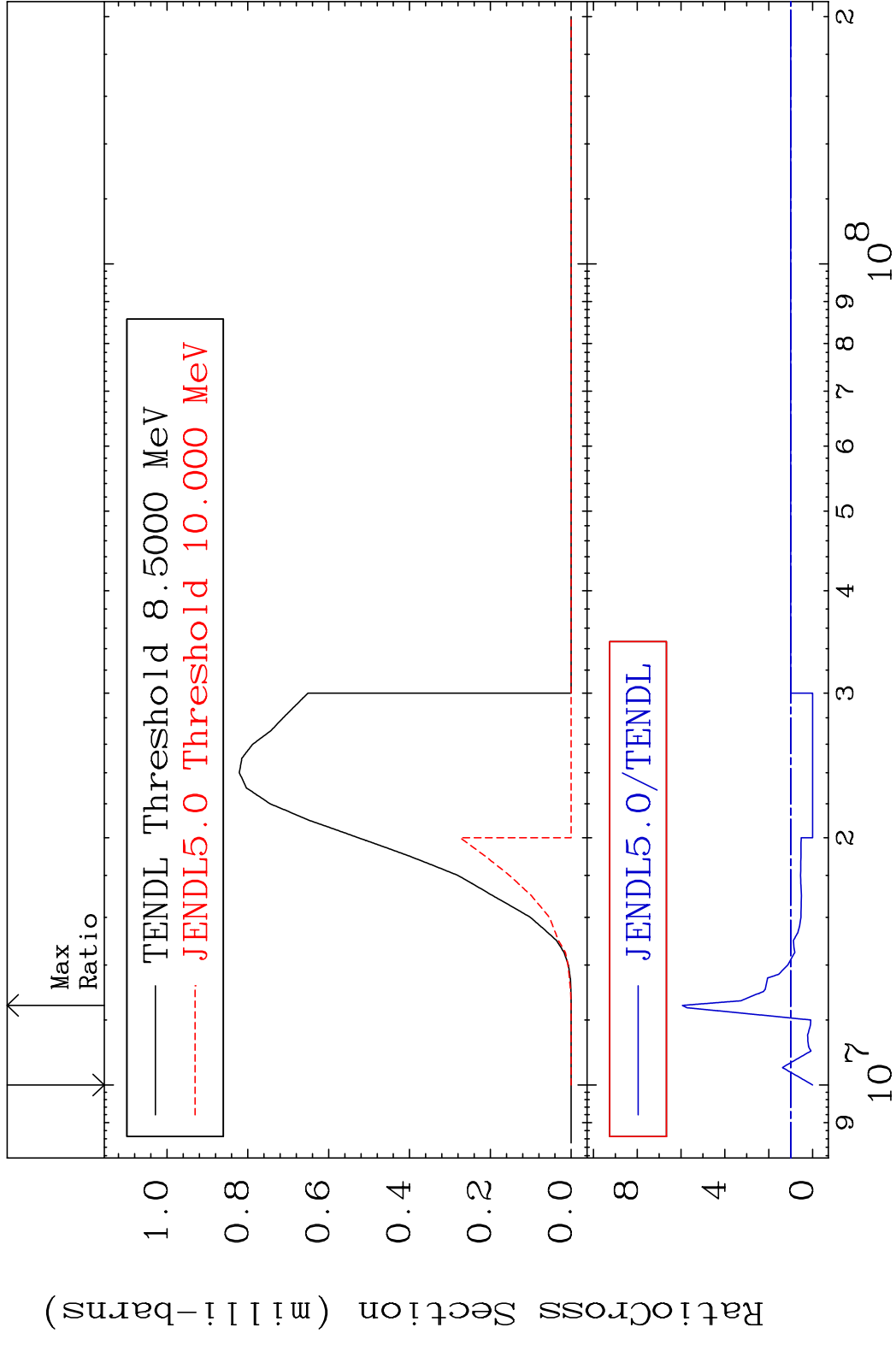
70 Incident Energy (eV) 42-Mo-99







MAT 4246 (n, t): 41-Nb-97m1 42-Mo-99  
 Radionuclide Production Cross Section 180.0 mb 494.0 %

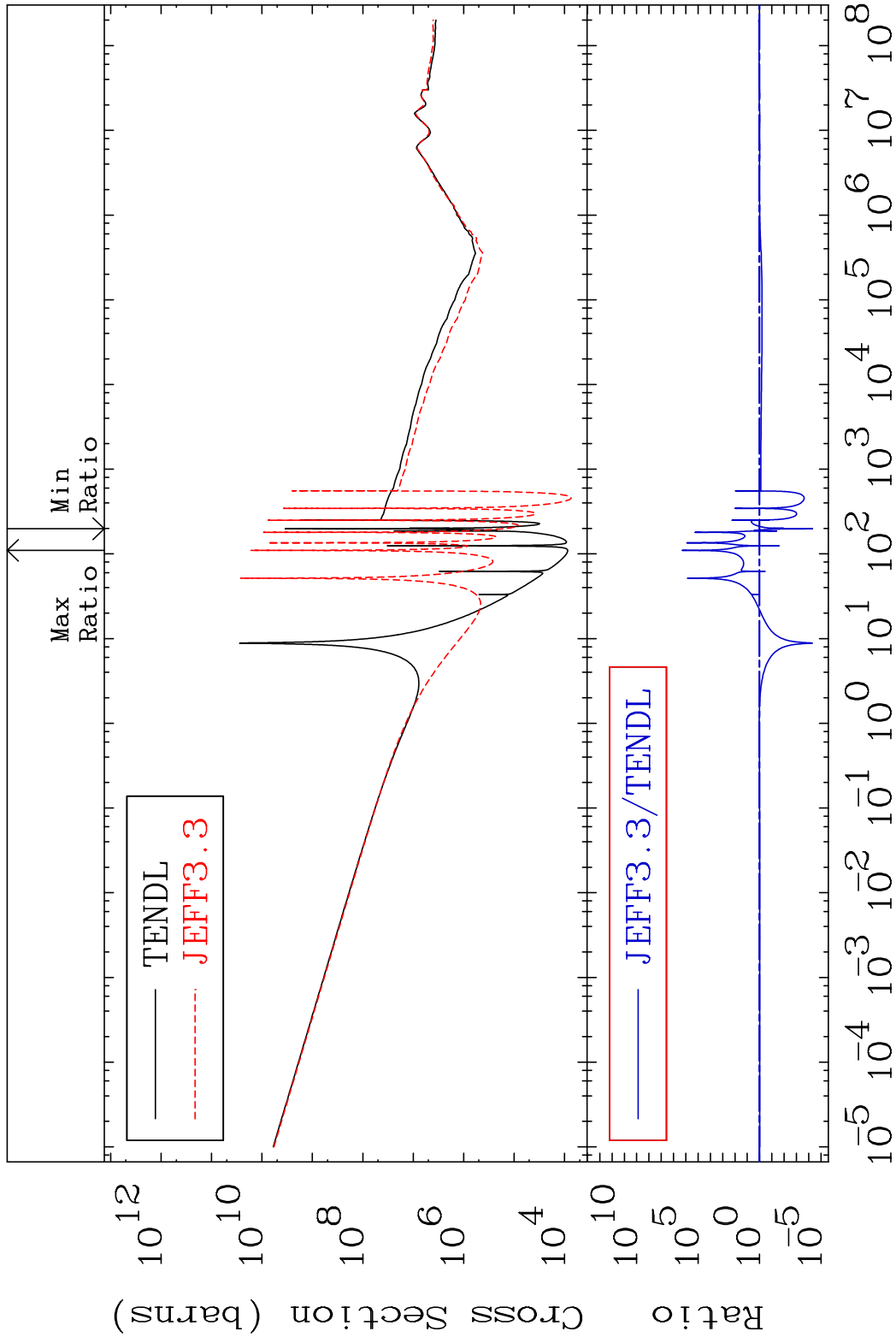


MAT 4246

Total photon (eV-barns)

42-Mo-99

Cross Section -100.0 To 9999. %

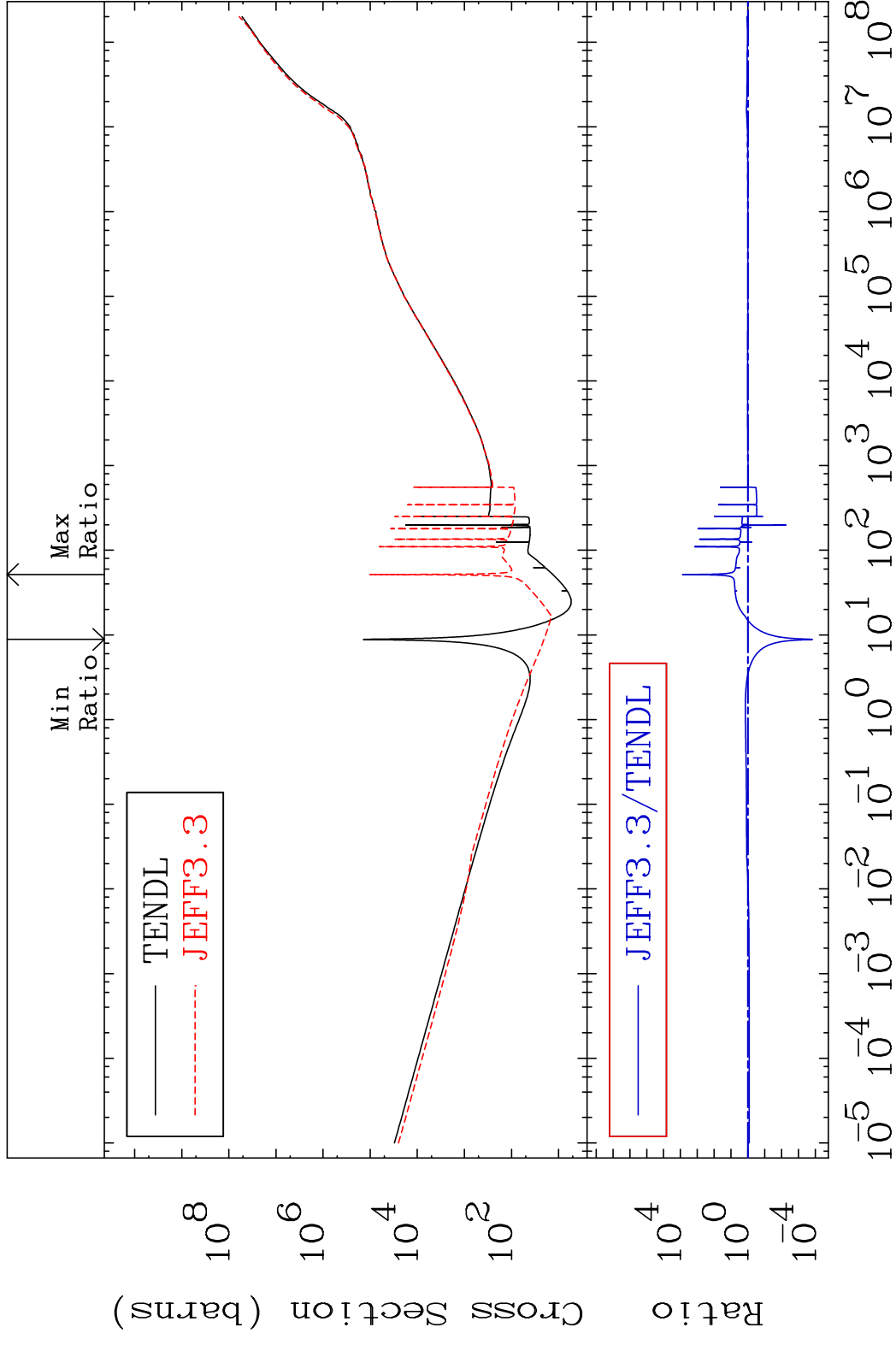


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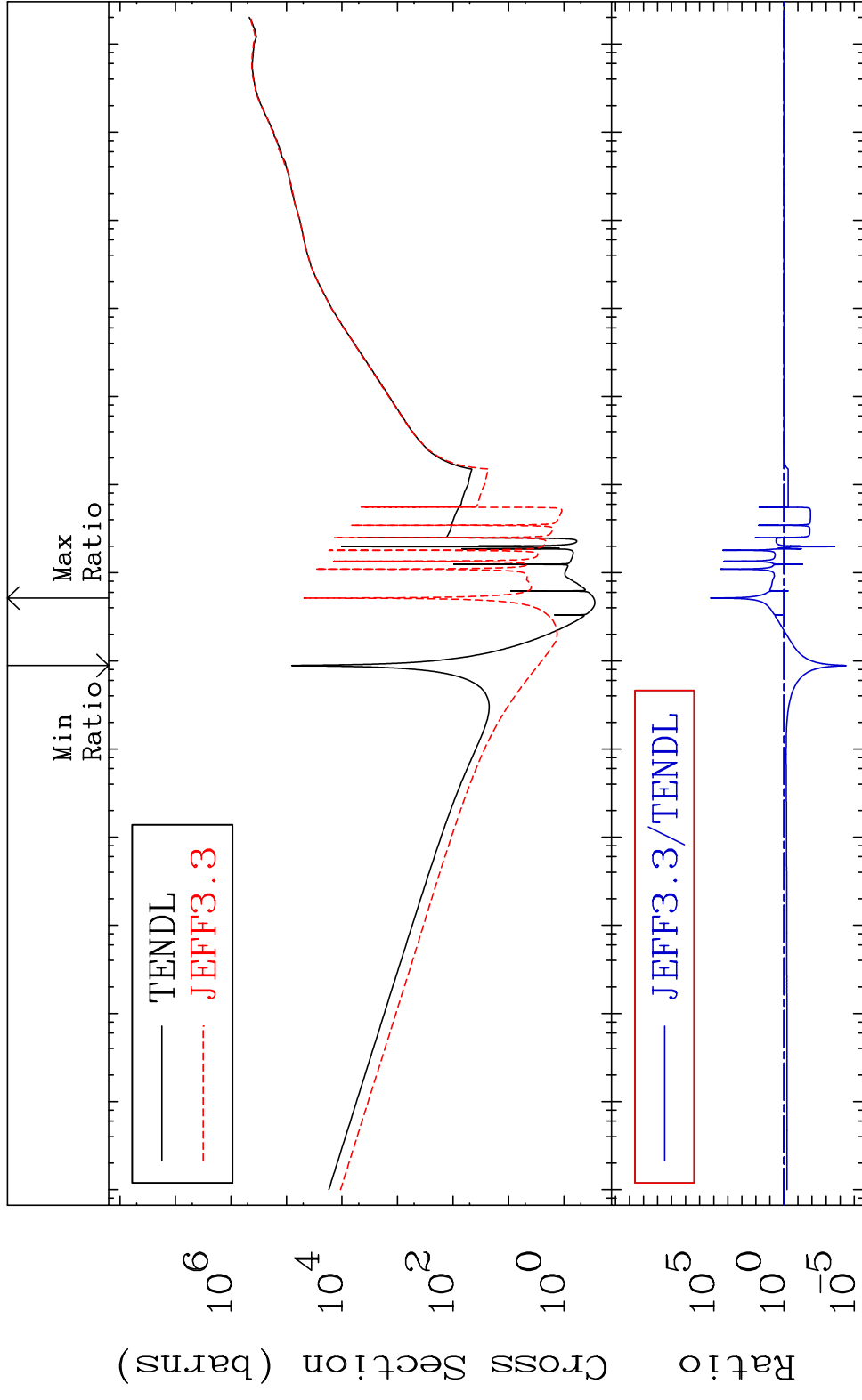
Incident Energy (eV)

42-Mo-99

MAT 4246 Total kinematic kerma (high limit) 42-Mo-99  
 Cross Section -99.99 To 9999. %



MAT 4246 Dpa total (eV-barns) 42-Mo-99  
 Cross Section -100.0 To 9999. %



76 Incident Energy (eV) 42-Mo-99

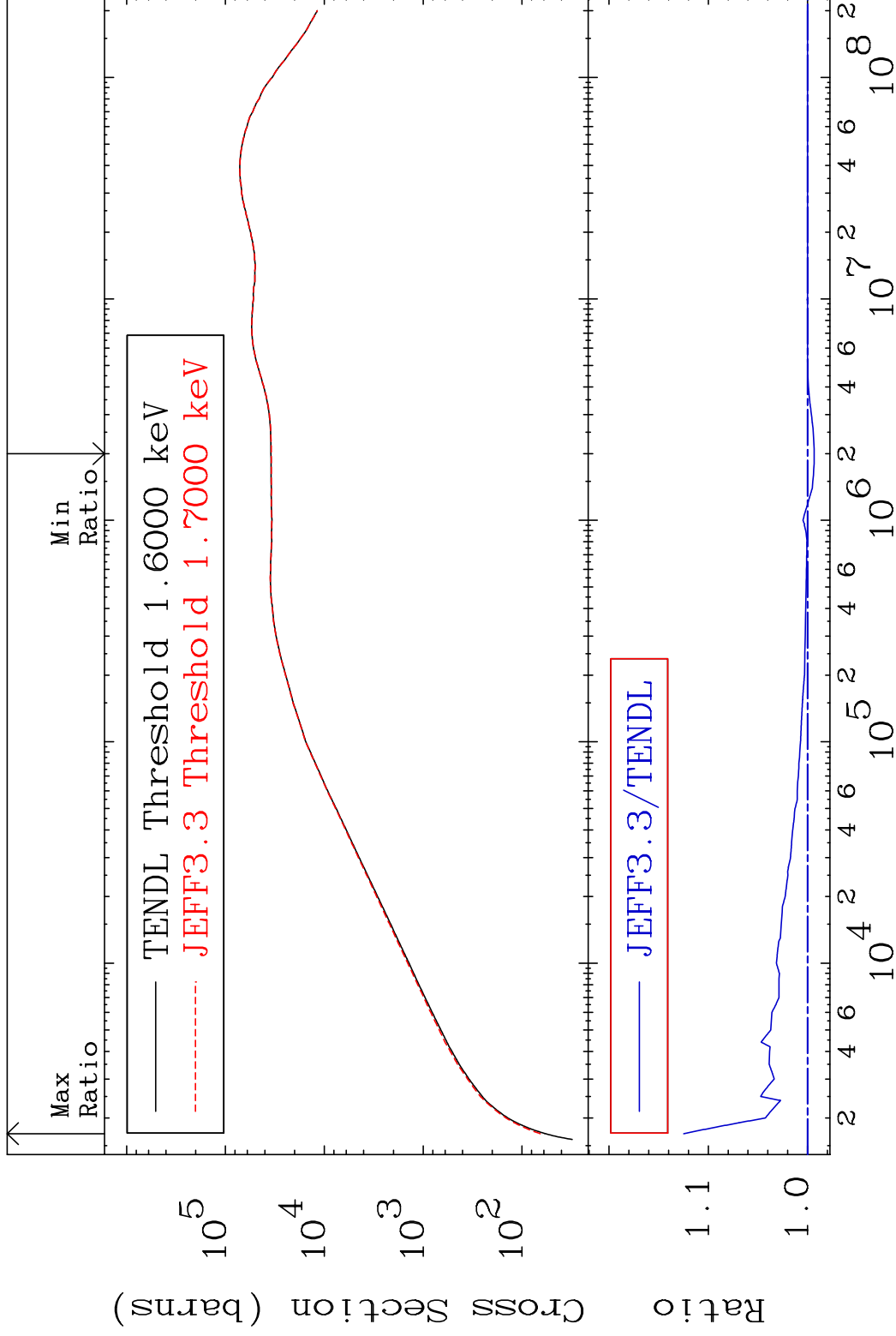
MAT 4246

Dpa elastic (mt2)

42-Mo-99

Cross Section

-0.661 To 12.48 %

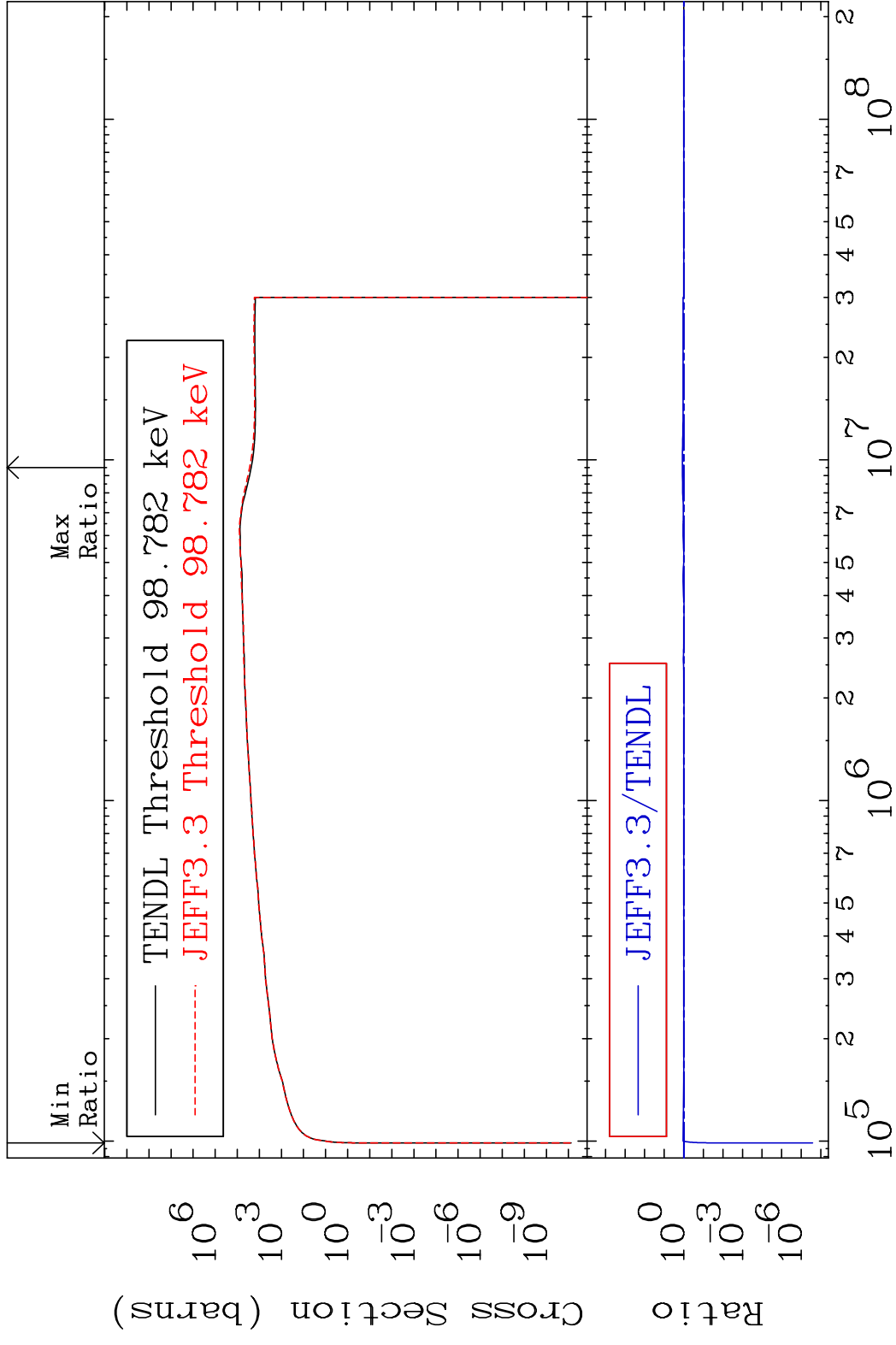


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Incident Energy (eV)

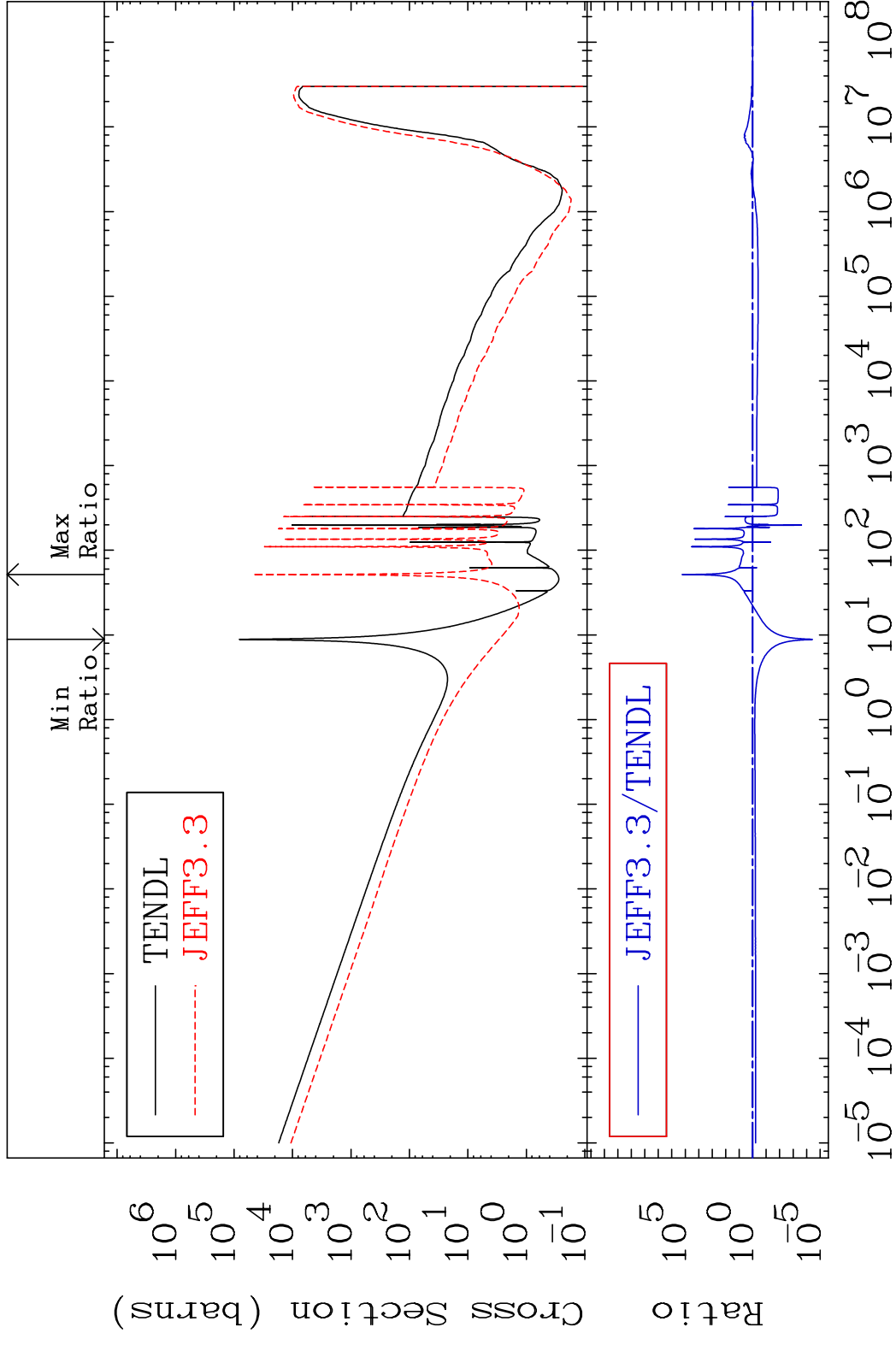
42-Mo-99

MAT 4246      Dpa inelastic (mt51-91)      42-Mo-99  
 Cross Section      -100.0 To 18.42 %

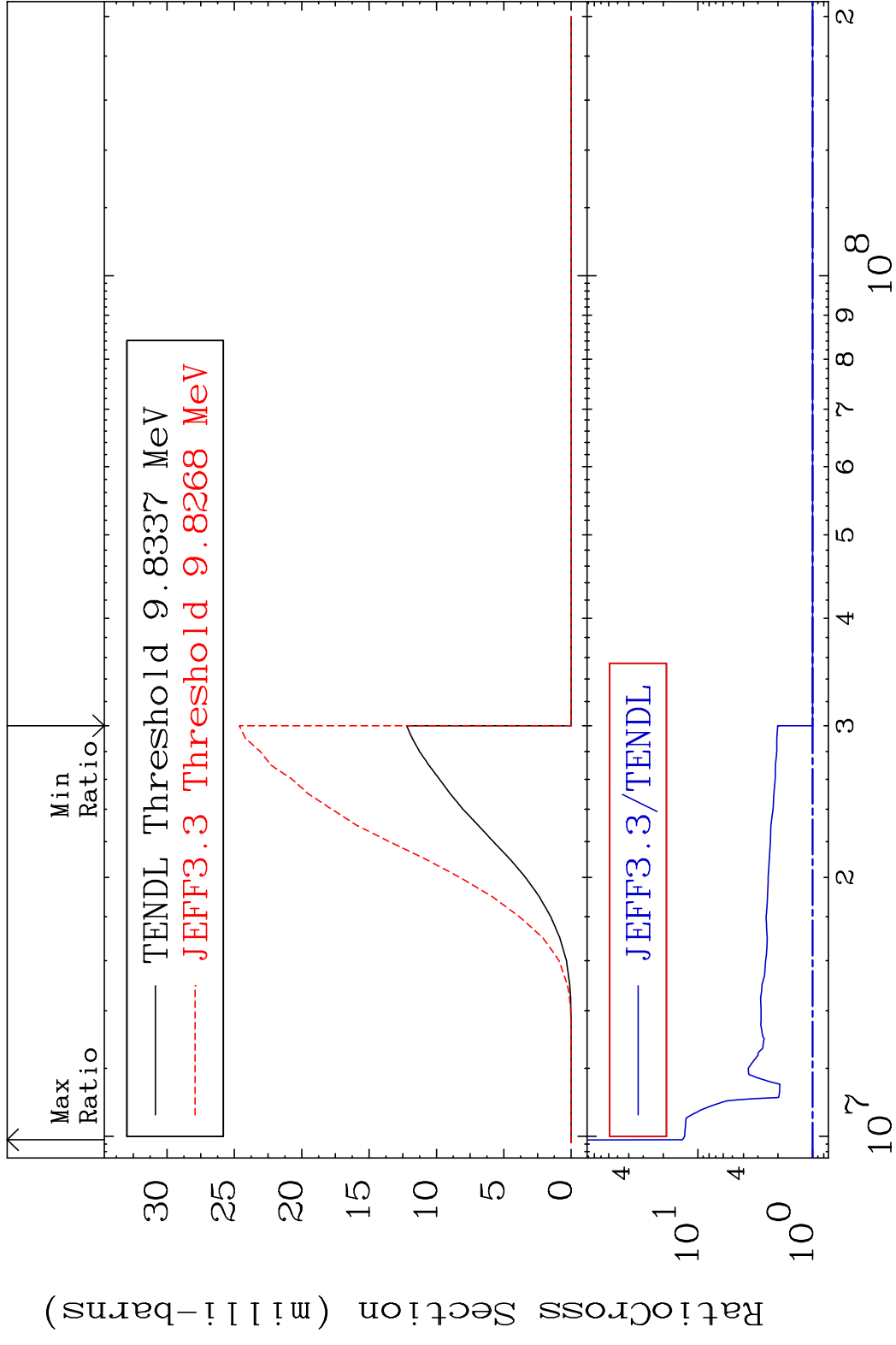


78      Incident Energy (eV)      42-Mo-99

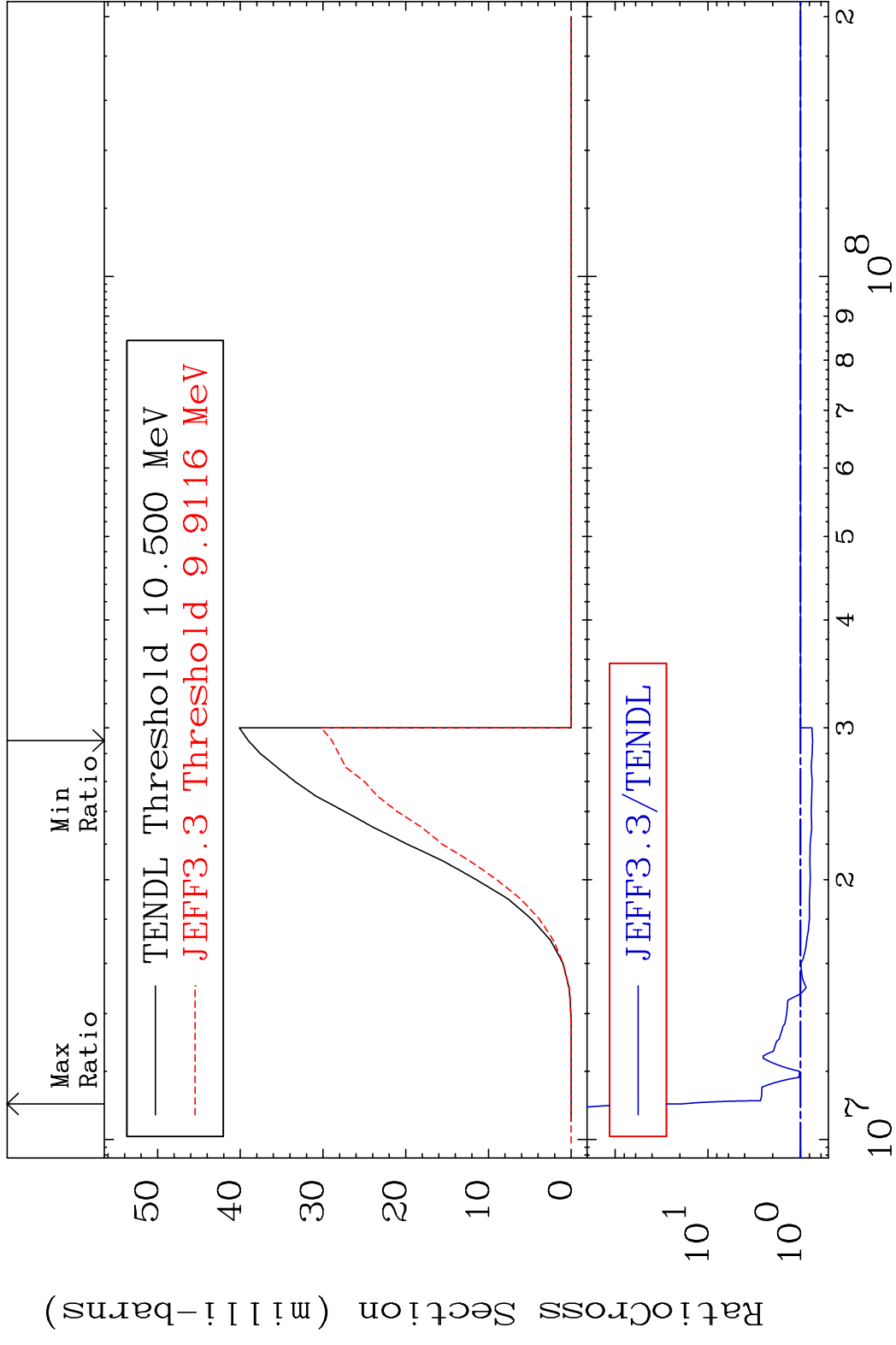
MAT 4246 Dpa disappearance (mt102 -120) 42-Mo-99  
 Cross Section -100.0 To 9999. %



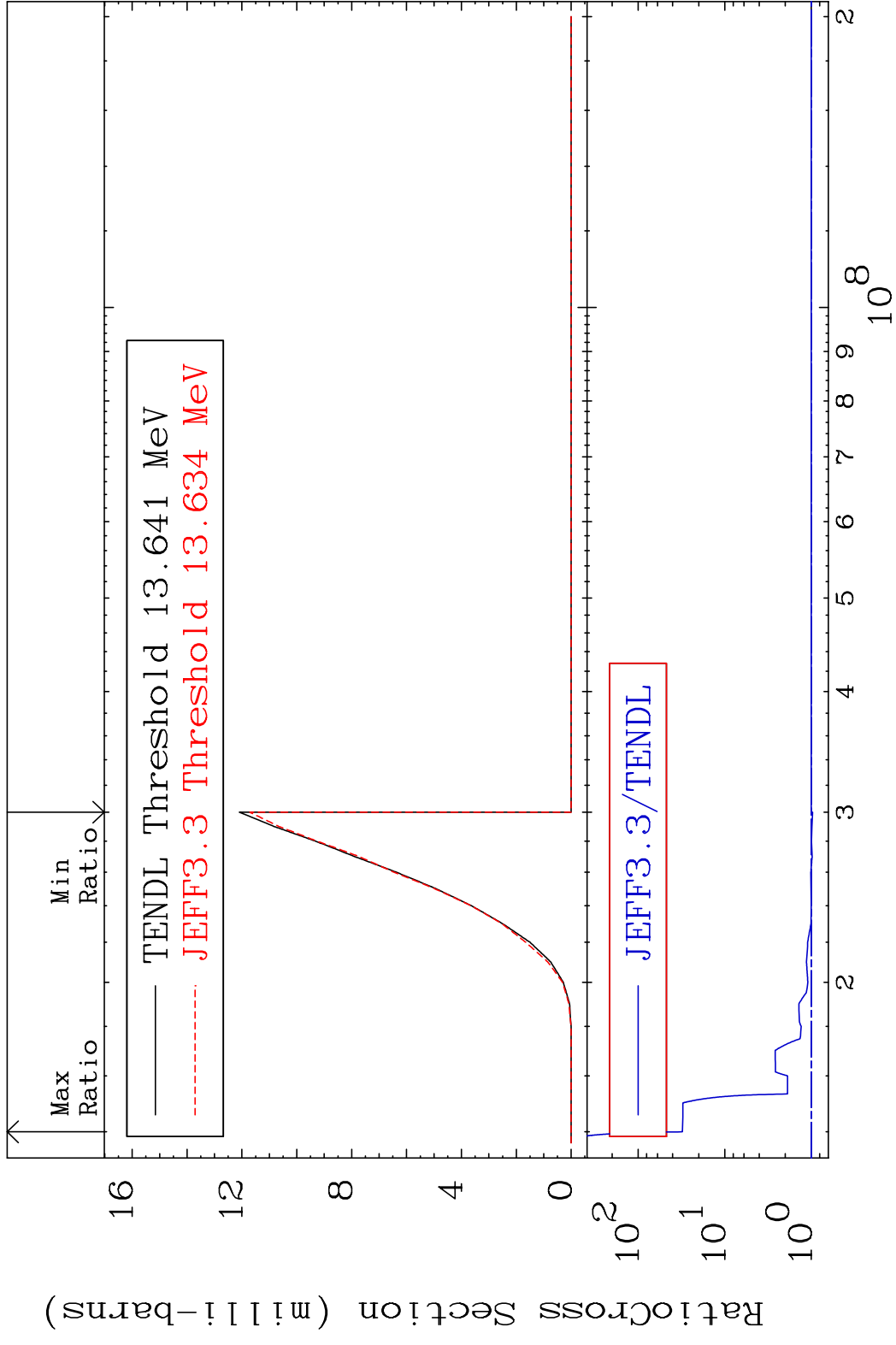


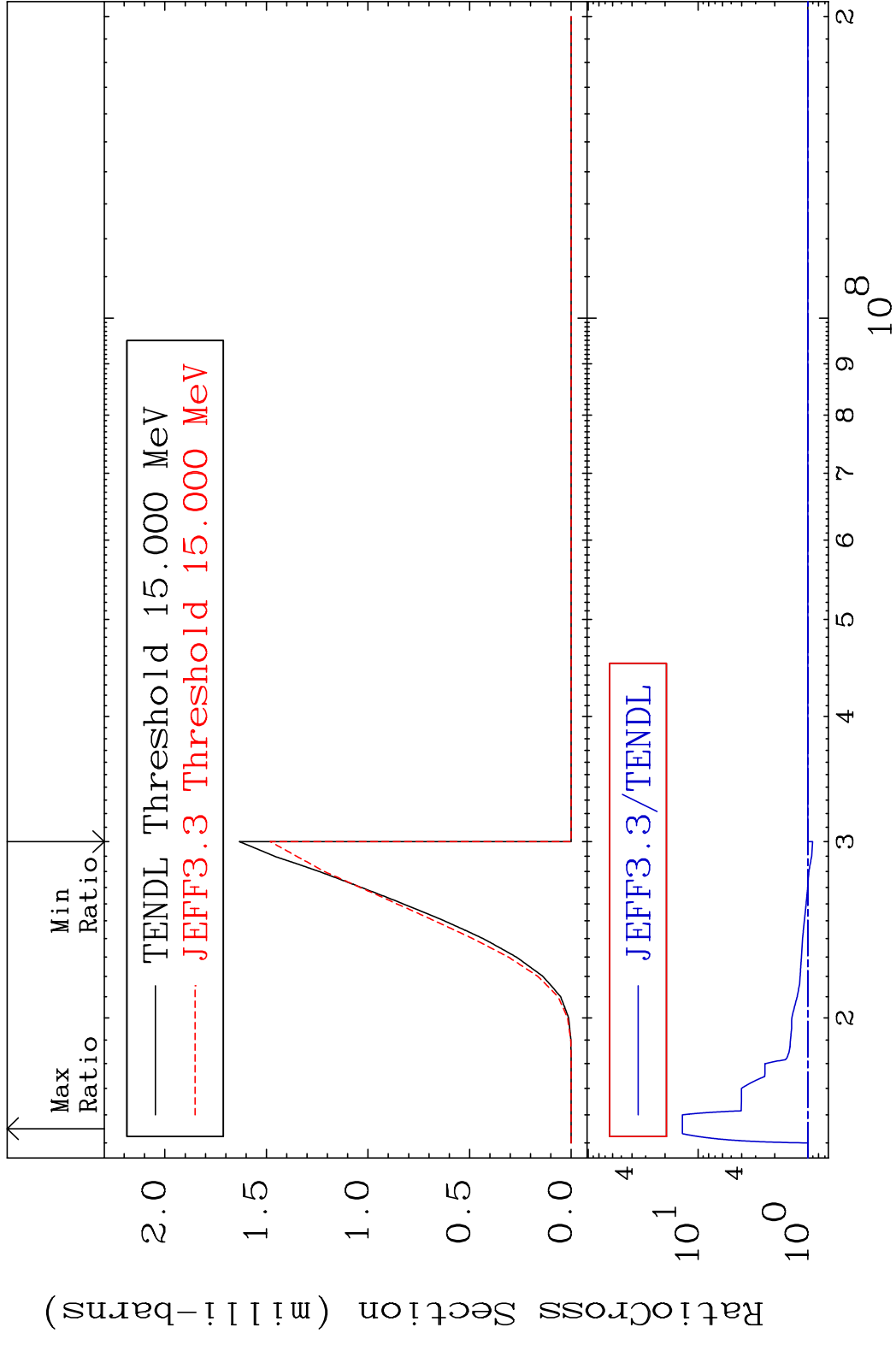


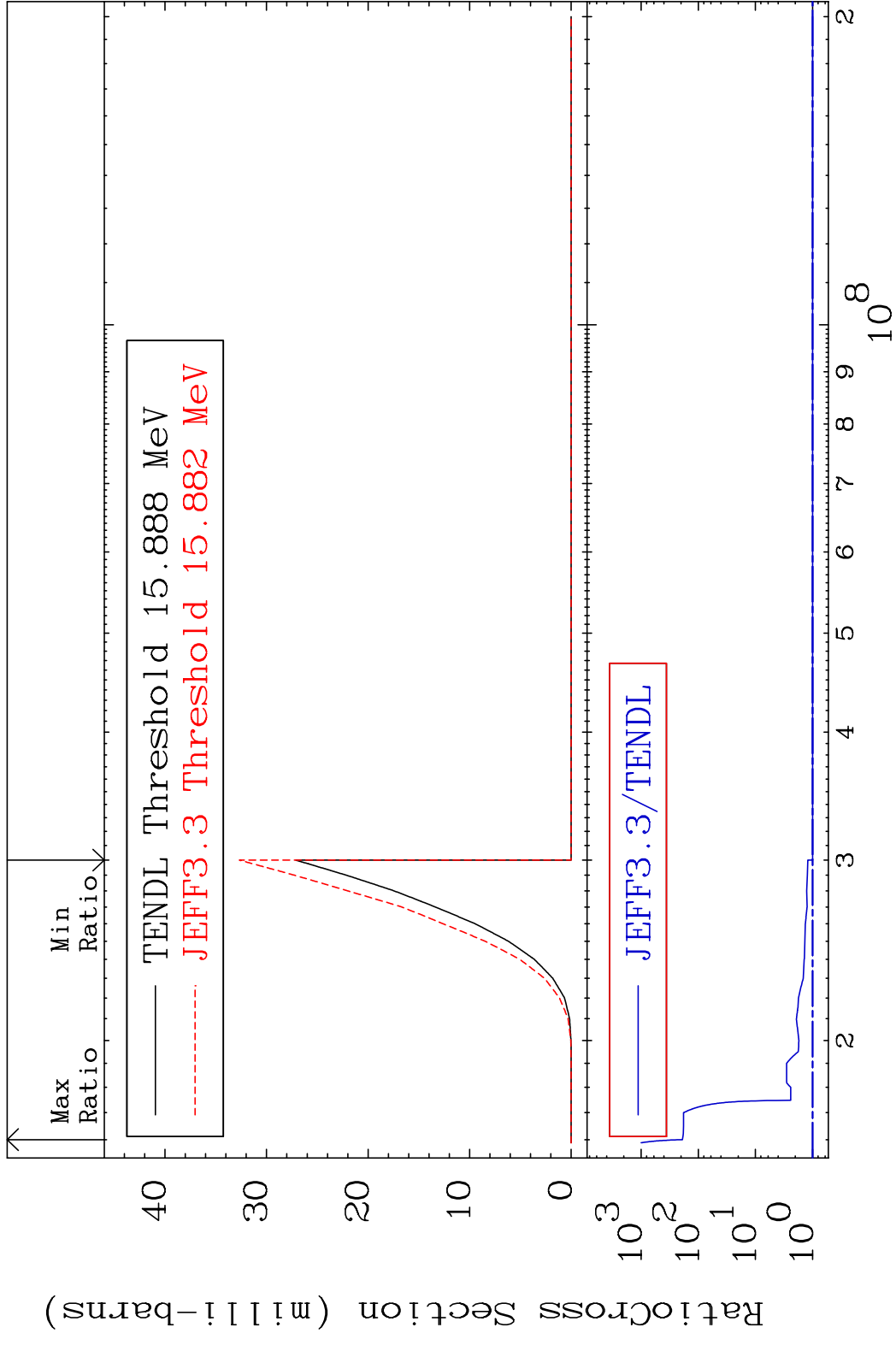
MAT 4246 (n, n') p:41-Nb-98m1 42-Mo-99  
 Radionuclide Production Cross Section 1783. %



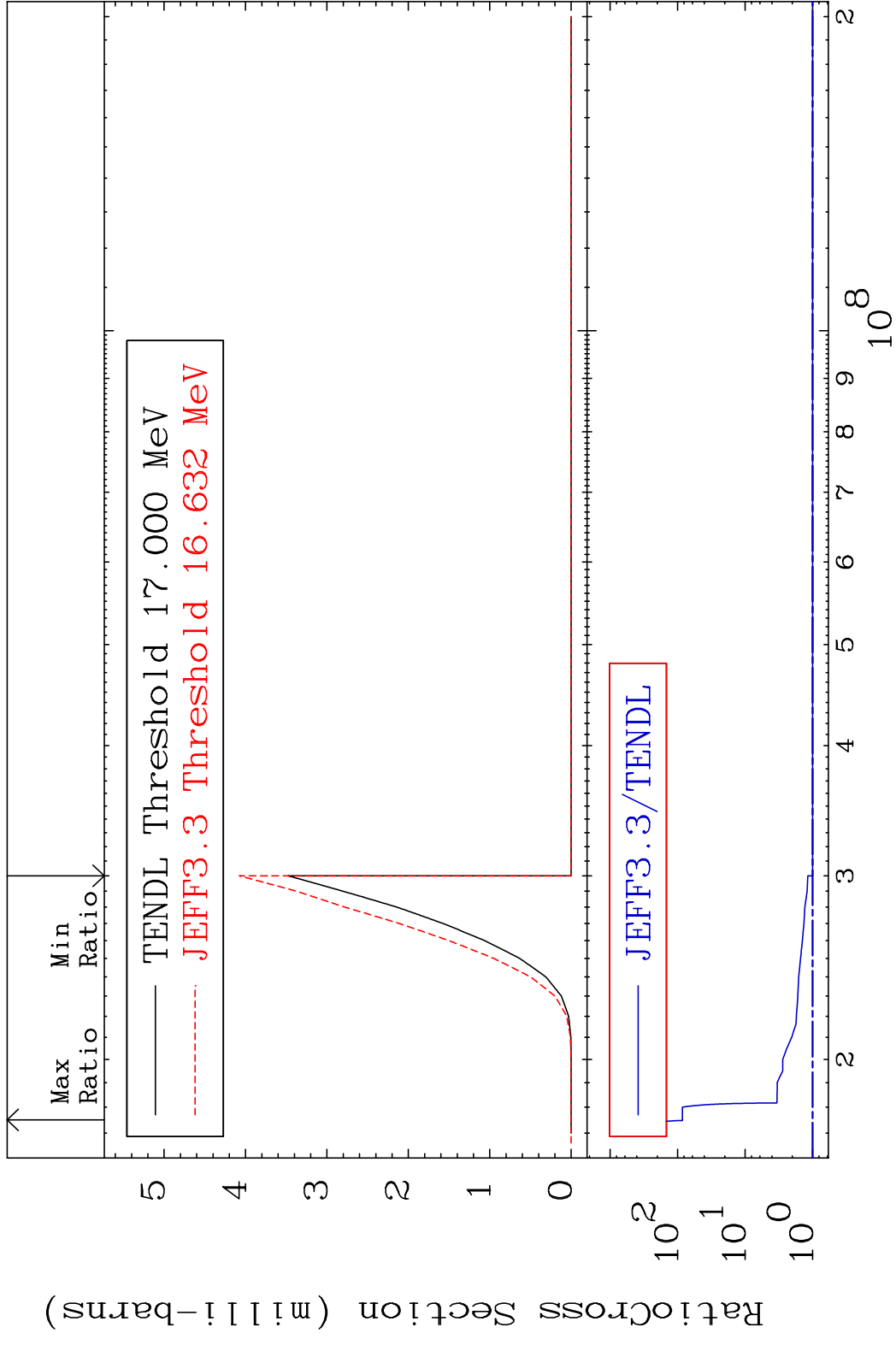
81 Incident Energy (eV) 42-Mo-99



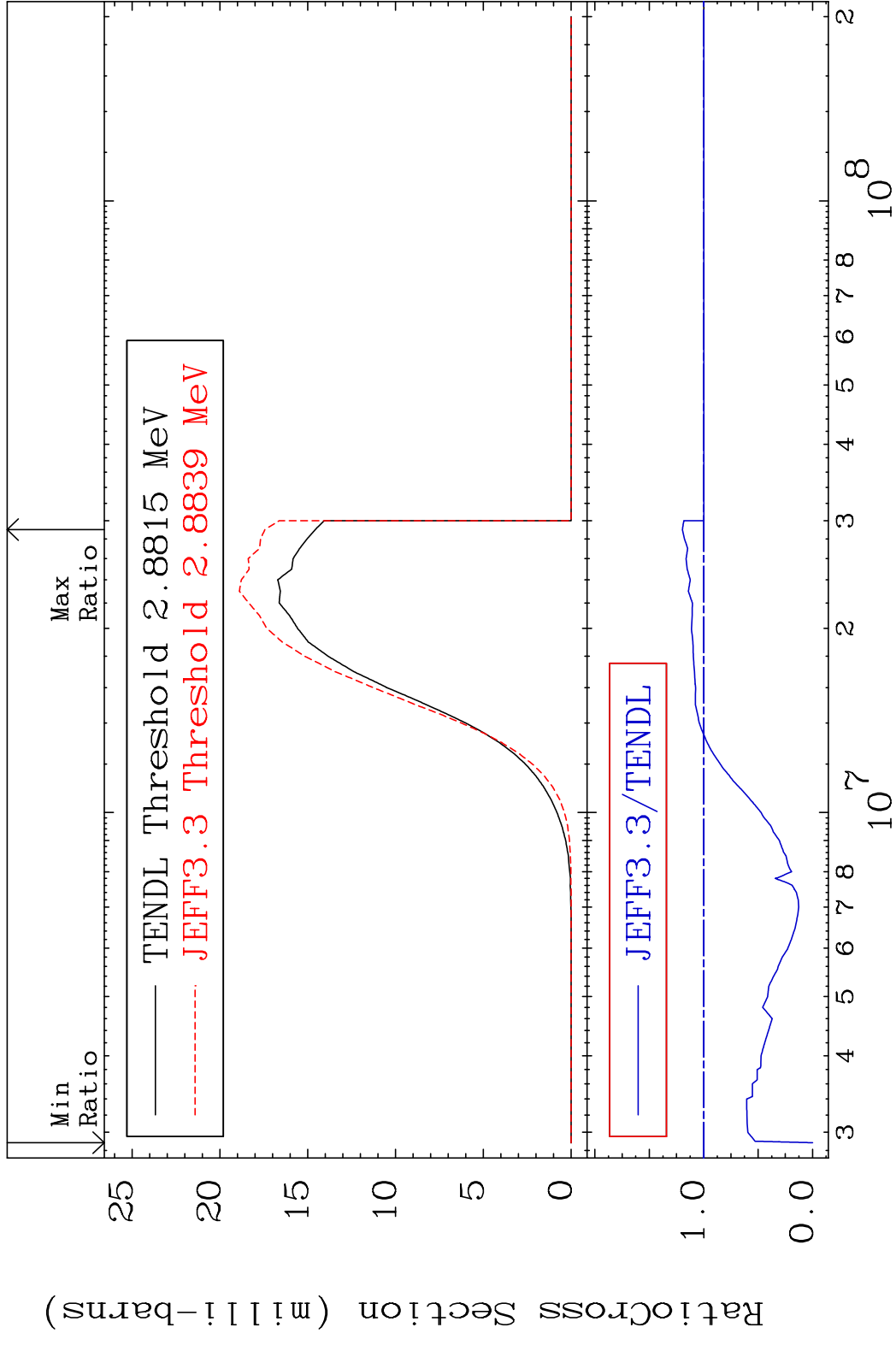


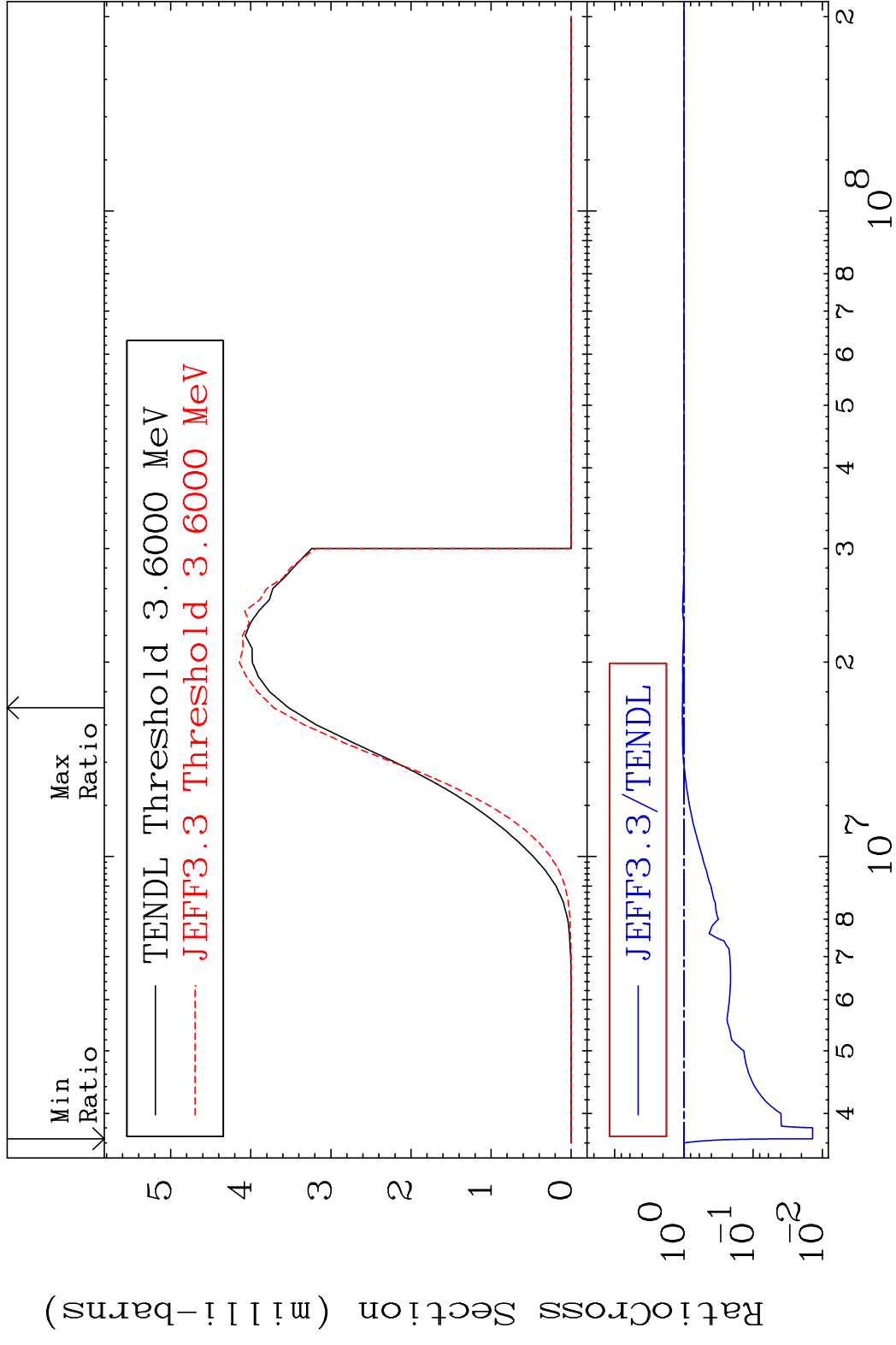


MAT 4246 (n,2n) p:41-Nb-97m1 42-Mo-99  
 Radionuclide Production Cross Section 8380. %



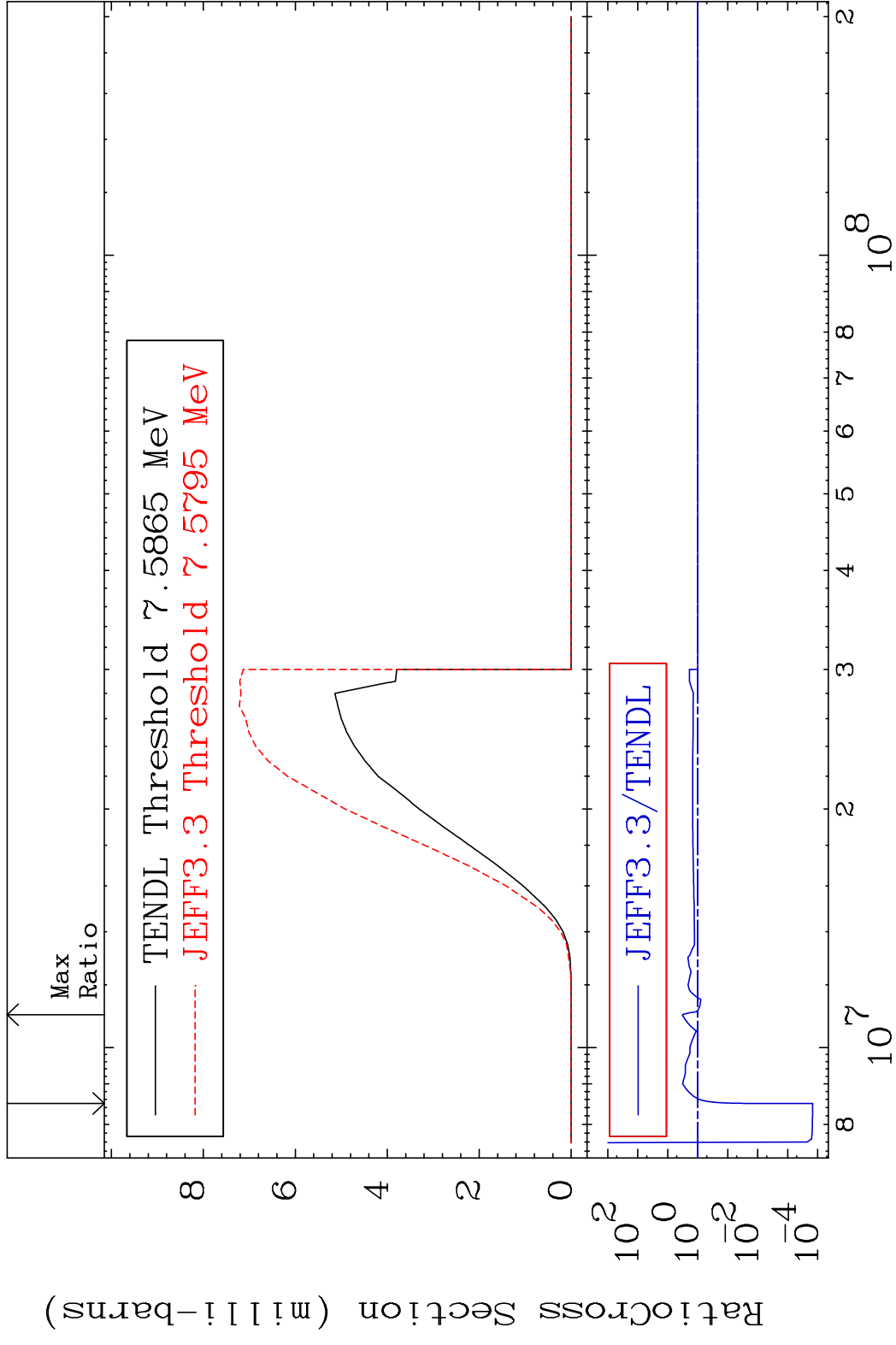
MAT 4246 (n, p) : 41-Nb-99g 42-Mo-99  
 Radionuclide Production Cross Section 180.01 dth 19.63 %



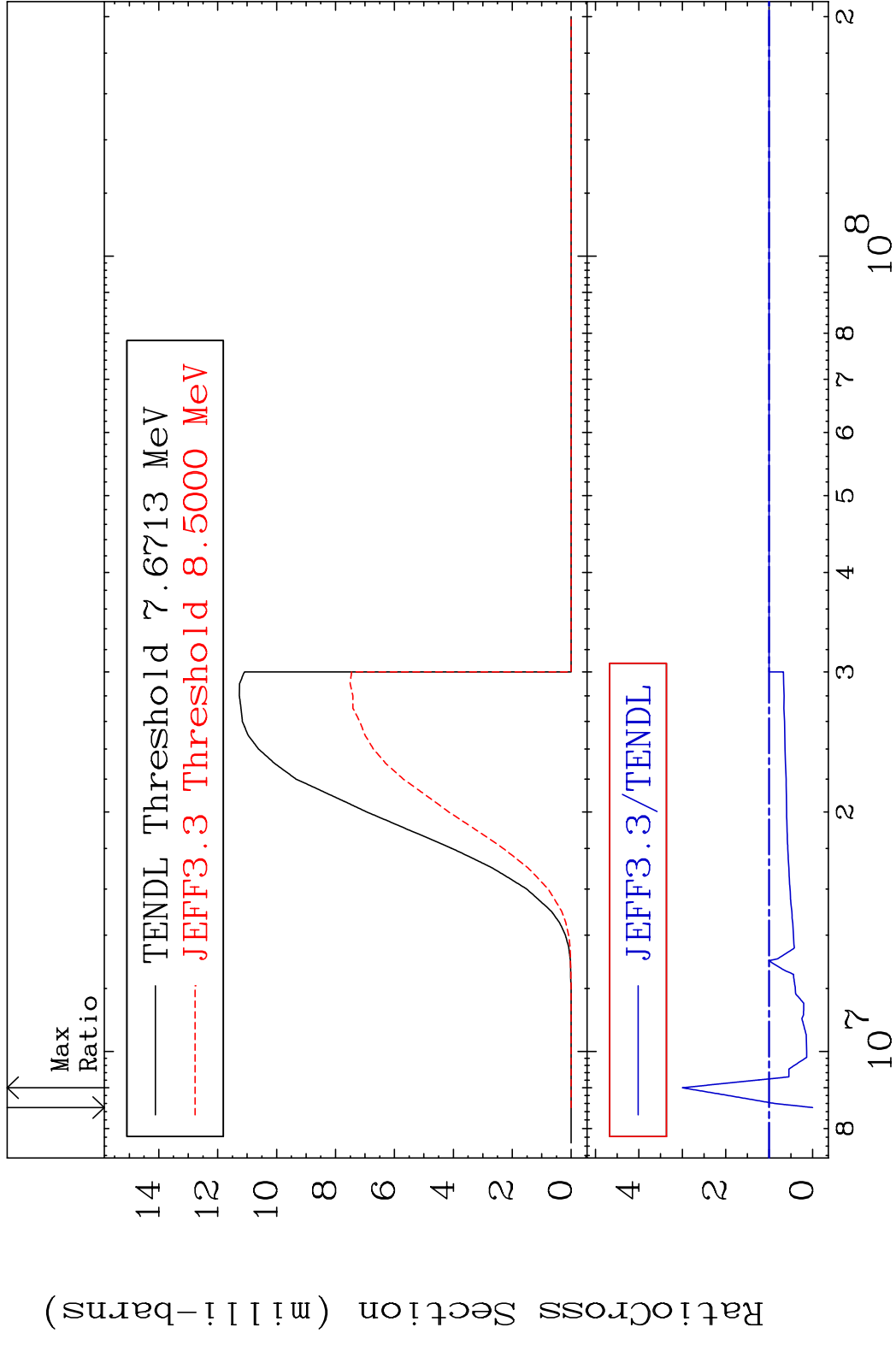




MAT 4246 (n, d): 41-Nb-98g 42-Mo-99  
 Radionuclide Production Cross Section 225.7 %



MAT 4246 (n, d): 41-Nb-98m1 42-Mo-99  
 Radionuclide Production Cross Section 199.8 %



89 Incident Energy (eV) 42-Mo-99

MAT 4246 (n, t): 41-Nb-97g 42-Mo-99  
 Radionuclide Production Cross Section 835.2 %

